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# Farm and Ranch Review

VOLUME XLI  
NUMBER 11

CALGARY, ALBERTA  
NOVEMBER, 1945



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# V VADE IN PACE\*...

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**VADE IN PACE.** *Go in peace.* But make no mistake. It is not a smooth, effortless journey without responsibilities. Only part of the job is done. You still have responsibilities towards the men who did the fighting.

**VADE IN PACE.** *Go in peace.* But that peace must be made secure and prosperous. Inflation must be averted. Canada's foreign trade markets, shattered by war, must be re-established and enlarged.

**VADE IN PACE.** *Go in peace.* But don't forget your duty as a citizen of the world towards mankind. There are suffering, starving people in Europe. We have plenty. They have nothing. Let's not forget that.

**VADE IN PACE.** *Go in peace.* But that peace has to be faced and won with the same determination, the same courage, the same willingness to make sacrifices as you have shown in war.

**VADE IN PACE.** *Go in peace.* But endorse this 9th Victory Loan with the same generosity and goodwill of which you have given proof in the other loans. Prove your patriotism in good times as in bad times. Shout your faith in Canada with bonds. If our fighting men were willing to invest their lives, you should not hesitate to invest your dollars.





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## Sound Plan for Future Profit

THE farmer who is wise and realistic today will look ahead and plan very carefully. Not only must he plan individually for the program on his own farm, but also collectively with his fellow farmers on production, marketing and price programs. The need of the times makes this imperative. With production per man in agriculture higher than it has ever been; with some uncertainty regarding adequate markets in the near future when the unusual demands of war no longer prevail, only careful, business-like planning can make economic stability and security for the farm family a reality.



And in these years when prices and returns are more satisfactory than they have been, when labor is scarce, when farm machinery is restricted, when building materials are not readily available, a good course to follow would be that of putting a substantial share of the year's earnings into sound securities such as Victory Bonds, as an integral part of wise planning. These reserves will not only provide a measure of insurance against difficulties in less favorable years, but at such time when supplies are available and costs will probably be lower, their purchasing power will be greater and the return from them correspondingly increased.

We believe this is good planning from the farmer's standpoint. At the same time, it is the very best of planning from the standpoint of the Nation.

H. H. HANNAM,  
President and Managing-Director,  
The Canadian Federation of Agriculture.

## Farmers Promised Post-war Improvements in Machinery

To determine what supplies of farm machinery may be available in the near future, prices likely to prevail and major improvements to be expected, a survey of farm implement dealers has been made in Calgary by the FARM AND RANCH REVIEW.

Rationing restrictions on all farm machinery and equipment was lifted at the end of September, but supplies available will likely be only about 20 per cent higher for the next 12 months than during the past year. Reasons for this are that certain materials, such as sheet metal, used extensively in the manufacture of farm machinery, will in the immediate future be used in great quantities in housing construction (for furnaces, water-tanks, etc.) which is operating on a high priority, and that large supplies of heavy equipment are required by Britain and Europe. A serious threat to higher production, but one which cannot be estimated accurately, is the possibility of strikes in farm machinery plants or related industries (rubber factories, for example) which could even conceivably reduce output below 1945 levels.

### Prices Still Frozen

Prices are at present frozen to the 1941 levels, but it is claimed that any increase in factory wages must result in an increase in retail price to the farmer, because farm machinery companies have operated at a very narrow margin of profit and it is impossible for them to cushion any more increases in production costs without being driven to bankruptcy.

We need not expect "glass plows" or other radical changes at once. Years of experimentation to determine the practical value of any new type of equipment are necessary before any responsible company will put one on the market. Improvements will, therefore, come on the market gradually,

and some, like the use of better-quality materials, will not be visible to the eye but will show up with use.

VARIETY of sizes in farm tractors will increase. A very small tractor, to take the place of a team of horses, will be offered by many companies.

Diesel tractors for farm use will be introduced by many firms. Companies are attempting to develop a type of diesel tractor which can be efficiently operated by the average farmer.

Rubber will be used more extensively than ever; plows, farm wagons, rakes, mowers, almost everything will run on rubber tires. Synthetic rubber, which during wartime has been found more satisfactory than natural rubber for farm machinery (since it seems to weather better, and the problem of heat and friction from high speeds does not enter as in the case of automobiles) will probably be used.

### Changes in Hayfield

Increased demand for haying equipment is certain. The pick-up baler, which bales hay direct from the windrow and is operated by only one or two men, is being widely used and will be sold in a greater variety of sizes. Co-operative ownership of a baler by a few farmers will probably be common and a considerable amount of custom-baling will also be done. Even barns may show the effect of the baler: haylofts may be unnecessary and only a low, roofed shed for storage of bales may be needed. The baler is being used after the combine to pick up feed straw and this may remove one of the few remaining objections to the use of the combine—the loss of feed.

Hydraulic and electric lifts will be widely used. More equipment will be integrated with—that is, custom-built to fit—the particular tractor used, especially in the case of tillage machinery and mowers.

The farm electrification program will bring about new equipment which is still on the "secret list" of companies concerned.



Mr. H. Vollbrocht writes: "I gave my brood sows Rex Oil last Fall and I got 55 good, strong, healthy pigs from 5 gilts. They were as large and as nice as an old sow's pigs. Rex Oil is an invaluable product to livestock breeders".

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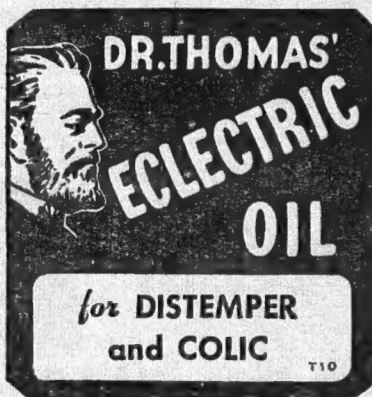
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## Despite War, Britain Remains World's Pedigree Stock Farm

AGRICULTURE is, of course, one of the oldest activities practised by man. Yet one of its most important branches—the breeding of pedigree stock—is a comparatively new development. For it was little more than 200 years ago that an Englishman, Robert Bakewell, realized that the only way to improve livestock was by careful selective breeding. It is to his efforts, and those of his pupil, Charles Colling, whose work in turn was carried on by Thomas Bates, that the world owed its pedigree stock. Colling gave Britain the first of the famous "Shorthorns", and Bates, concentrating on this breed, then mainly beef-producing, evolved the now renowned dual-purpose Shorthorn.

From that day to this, cattle raisers everywhere have looked to Britain to stock and maintain their finest herds. Her distinctive types—the Herefords, Devons, Jerseys, Aberdeen-Angus and others—have become as well known in the new world as in their native land, since farmers from all over the world have come to Britain to purchase her pedigree bulls. The war years have naturally impeded this transfer of blood-stock—how is Britain planning to meet the demand which will be made upon her in the near future?

Despite the immense difficulties imposed by war conditions, breeders have maintained a remarkably high standard. Invaluable research work, too, has been undertaken, at the famous Rothamsted Experimental Station as well as at the Schools of Agriculture at British universities.

Important discoveries in the use of controlled nutrition for fattening stock have been put to good account; it has been found, for instance, that a larger proportion of the total weight of a calf is made up of valuable cuts of meat if the animal has been fattened rapidly than if the development has been allowed to proceed more slowly on a low plane of nutrition.

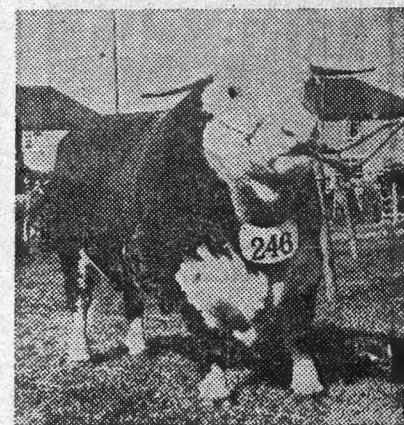
Again, Dr. John Hammond, of the Cambridge University School of Agriculture has established the scientific possibility of treating cows to make them twin. Since most British beef breeds give enough milk to rear two calves well, this will enormously help specialized beef production. Individual breeders, too, are paying even greater attention than before to the building up of the perfect herd. One of the best known cattle breeders, Sir William Rootes, recently acquired a 13-month-old Aberdeen-Angus bull, Ervillax of Harviestoun for the record price of £4,725. The progeny of this fine animal, along with that of many other prize bulls, will soon be helping to replenish depleted or impoverished herds all over the globe.

### Canadian Livestock Quality Improved

LEADING United Kingdom and European livestock breeders appreciate that Canada improved the quality and safeguarded the health of her livestock during war years, according to Lt.-Col. J. G. Robertson, agricultural commissioner for Canada. However, while these buyers are interested, major sales to them are unlikely for some time, as they hope to cling to the blood lines they have bred for centuries, he said.



King George VI is greatly interested in the breeding of pedigree stock. Here is one of the King's Highland steers being groomed for the Show at Smithfield.



This Hereford bull, "Astwood Ladlesman", has won many first prizes at British shows. The first fat stock show, incidentally, was held by the Smithfield Club in London in 1799.

### Cattle Find Brisk Demand at Brooks Community Sale

With a wintry breeze whipping around the stockyards, leading Southern Alberta cattlemen bid eagerly to fill their feedlots with the choice cattle sold at Brooks, Alta., community sale, October 20. Over 1,100 head—almost all whitefaces and blacks—were briskly auctioned by Archie Boyce, assisted by Warren Cooper, for a record sale total of over \$90,000. Most of the cattle went to Alberta buyers, but a few to Winnipeg and Ontario, as stockers and feeders; several cows and heavy steers to the packers; and some of the young heifers as breeding stock. Heaviest buyers were Ken Coppock, on his own and Western Stock Growers' behalf, and M. Cohen, both of Calgary, each taking well over \$10,000 worth; heaviest sellers were Stringham Brothers with 334 (plus 30 head of purebreds), Sewell and Miner with 329, and J. Sewell with 271. Price ranges in the various classes were narrow, except for a negligible number of off-type animals not included in these figures: 625 yearling steers, \$9.30 - \$10.50; 160 two and three-year-old steers, \$10.10 - \$10.90; 150 yearling heifers, \$8.10 - \$9.40; 60 two and three-year-old heifers, \$9.40 - \$10.60; 40 calves, \$9.50 and \$9.60; 50 cows, \$6.85 to \$8.90. Stringham Brothers sold 30 head of purebred Herefords, with three yearling bulls bringing \$400, \$330 and \$290; heifers, calves to three years, brought \$75 - \$160; bull calves, \$100 - \$125, and two cows, \$250 and \$200.



# The Economics of Cattle Finishing

## Initial Weight of Animal, Selling Margin Important in Feedlot Profit

By PROFESSOR J. P. SACKVILLE

WINTER feedlot finishing of cattle has developed into an important phase of the beef cattle production program in Alberta. An average of upwards of thirty-five to forty thousand head of feeder cattle have moved from production centres into feedlots each fall for the past number of years and arrived on the market the following spring as good quality killers.

Considerable can be said in favor of this feature of the beef-making business. In the first place, it results in raising the standard of quality of cattle offered each year. A fairly large number of inferior beef animals coming to the central markets during certain seasons is due largely to a lack of proper finish. The feedlot route will correct this situation to a measureable degree.

Secondly, the total tonnage of beef is increased substantially—a matter of some concern during the past few years. A steer entering the feedlot at a weight of 700 pounds in the fall will, under proper feeding methods, reach a weight of approximately 1050 pounds following a six months' feeding period. In other words, he will put on 50 per cent as much actual gain during this relatively short time as was attained during eighteen months previously.

The question of finding a satisfactory market for Canadian beef under normal conditions has been one of the depressing features surrounding the industry. Making available a large volume of the better grades for both the domestic and export market would help considerably in this connection.

THE cattle feeder is interested in the economic aspect of the cattle finishing enterprise. The only justification for maintaining any class of farm animal is, first, that they are able to offer a satisfactory medium for the marketing of farm crops, and second, the contribution that they are able to make in the important problem of soil conservation.

With regard to the first there is evidence to show that, considered over a period of years, the cattle finishing business, provided reasonable judgment has been exercised, has provided an outlet for both hay and grain that compares favorably with returns that could have been obtained had they been sold as cash crops. It is also worthwhile drawing attention to the fact that there is an expanding supply of certain by-products from the beet sugar and canning industries in this province that can be utilized to good advantage in feedlot finishing.

It is scarcely necessary to emphasize the second point mentioned. A farming program involved in converting farm crops into animal and animal products has always been recognized as associated with soil building.

### Taking a Gamble

IN spite of all that has been said the cattle finishing business is somewhat of a speculative undertaking. Purchasing feeders in the fall and feeding for a period of four to six months without too much assurance with regard to prices that might prevail when ready for market, has resulted in disappointment at times. This suggests that under certain conditions, raising one's own feeders might have some advantage. In any case, the factor of "margin", which is



PROFESSOR SACKVILLE

the difference in price per pound between the cost of the feeder and the finished animal, is the most important one in the whole program of cattle finishing.

The question most frequently asked in discussing this business is, what margin is necessary in order to show a reasonable profit? The most important item is, of course, feed costs, and the fact that this varies so much from year to year, means that no definite figure can be given. With current prices of feed grain, including the prevailing equalization payments on barley and oats, the actual feed costs of putting on 100 pounds of gain would be approximately \$14.00.

The following table, based on investigations conducted at the Illinois Experimental Station, sets forth percentage costs involved in cattle finishing:

Feed costs	85.5%
Man labor	4.1
Horse labor	1.8
General farm expense	2.9
Interest	4.0
Buildings and equipment	.82
Miscellaneous	.21
Death risk	.66

This shows that 85 per cent of total expenses is charged to feed. Accepting this statement and applying the figure

WITH this article the Farm and Ranch Review introduces a series from the pen of J. P. Sackville, Professor of Animal Science at the University of Alberta. Professor Sackville is widely recognized as an authority on livestock breeding, feeding and management problems, and his timely articles which will appear each month will be of interest and value to farmers and stockmen.

of \$14.00, the cost of one hundred pounds of gain, it would appear that a margin of \$2.50 per hundred would not be far astray under present conditions. It should be kept in mind in this connection that this estimate is considered on the price of feeder cattle

laid down in the feedlot as well as net selling price.

IN discussing margin in cattle feeding it is worthwhile drawing attention to at least two other factors that have a direct bearing on this important subject. In seasons when the prices of feeder cattle are at a high level there is a tendency on the part of some to hesitate about buying. A little figuring will reveal that less margin is required in this case compared to low prices for cattle to go into feedlots. An 800-pound feeder that costs \$10.00 per hundred—an initial price of \$80.00—that required \$45.00 worth of feed to carry to the finishing stage at a weight of 1150 pounds, would represent a total investment of \$125.00 and could be sold at \$11.00 per hundred—a margin of \$1.00—to cover feed costs. Now consider an 800-pound feeder that cost \$5.00 per hundred, an investment of \$40.00, applying the same figures—\$45.00 for feed costs or a total of \$85.00 for a 1150-pound finished steer, this animal would have to sell at close to \$7.40 per hundred, a margin of \$2.40, in order to make as good a showing as his more expensive mate, or a difference of \$1.40 in favor of the latter.

Another significant fact is that the heavier the feeder steer the less margin is required, provided all other items involved remain the same. Except in exceptional cases it costs more to put on 100 pounds of gain in the feedlot than the increased weight will sell for when finished. The actual profit in cattle finishing is based on the assumption that the initial weight of the feeder will sell for a higher price per pound when finished. Comparing two feeder animals representing a weight of 1000 pounds and 500 pounds, it is obvious that a two-cent spread in both cases would make a difference of \$10.00 to the advantage of the heavier weight.

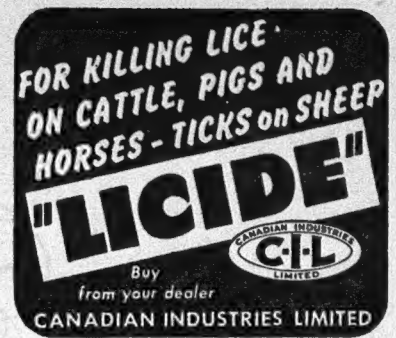
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## Will Resume Horse Buying

HORSE buying will be resumed when shipping space is available, which it is hoped will be early in March, for the remaining 38,000 of the 40,000 draft horses ordered by the governments of France (35,000) and Holland (5,000). The buying stopped in September owing to shipping restrictions, after only 2,000 head had been shipped.

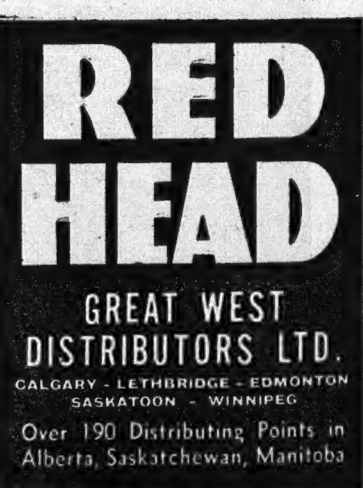
Although some criticism was made by the French commission that a few of the horses arriving at Montreal were not up to requirements, it is believed these differences are being adjusted and there has been no question of any reduction in the original order, an important order which if filled should benefit every farmer in Canada who has suitable horses for sale. The horses must be in good condition, harness-broken, clean-legged, three to nine years old, 1375 lbs. in weight or heavier. Prices range from \$80 to \$140.

The policy has been for a group, appointed by the Dominion government for various areas, consisting of one veterinarian, one buyer and one clerk, to inspect and buy the horses. It is expected these groups will attend many of the spring horse sales prepared to buy, at the established prices, those horses which qualify for the French and Dutch market.



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only the best...  
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in  
the long run.

R.H.3





# He weighed Atoms

*Born to a Quaker family in a little thatched cottage in England in 1766, John Dalton acquired enough education at twelve years of age to start a school of his own. He began to take regular weather readings and was noted for his ability to predict the weather. He studied flowers and insects, optics and color-blindness, and finally decided to make chemistry his life work. He noted the constant proportions in which different elements combine with one another, and finally established the atomic theory in chemistry.*

JUST as Dalton's research paved the way for the development of many new and improved materials and products, so research carried out by the Canadian Nickel industry has played its part in developing better materials and products.

Sixty years ago there were practically no uses for Nickel except for Nickel plating, for coinage and for Nickel silver. Today Nickel is required in nearly every industry for making top quality products or for keeping production costs down. The research that has helped to bring this about will be continued in the years to come.

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WHAT would happen if farmers went on strike? Fortunately, or unfortunately, they are prevented by the very nature of their work from taking such concerted action to enforce their demands. True, there have been minor and scattered wheat - or - milk - delivery "holidays", but these have been settled by the exercise of reason and the imperative processes of the farmer's production line.

The only sit-down of which a cow approves is that of her owner on a milking stool, and the clamorous chorus from the hog-yard and the march of pickets in the poultry-run at feeding time impose their own collective bargaining argument—no feed, no bacon or eggs.

Of course, the farmer might strike for an eight-hour night of rest between chores after dark and before daybreak. Or he might strike for parity take-home pay for the beef and pork and milk and grain he sells, but there are too many forces behind him, so he keeps on working, delivering the goods, and to him some of the demands of industrial workers sound fantastic.

It sounds unreal that packing-plant labor disputes should be allowed to interrupt the orderly flow to needy markets of the food he has produced or that striking longshoremen should let this food spoil at the dockside. While the farmer is as tired as anyone else of Government regulation and controls, he commends the promptness with which Ottawa stepped in to avert a threatened major tie-up in the packing houses. Washington followed a similar course in a number of strike-bound U.S. plants in wartime and here, as there, a national emergency calls for drastic action. J. G. Taggart, chairman of the Meat Board, named controller of the plants, knows just how serious the emergency is for Canada's overseas commitments and for the producers of livestock and, insofar as he is able, the food will get to those who need it.

Meantime, the farmer does not strike—but he is bedevilled by a lot of other people who do.

★ ★

MR. ILSLEY'S 1945-46 budget has been greeted throughout the Dominion with general satisfaction since it gives both individuals and business enterprises an encouraging measure of relief from the crushing burden of wartime taxation. The 16 per cent cut in personal income tax

# Editorial

should reduce the absenteeism too common among workers who have taken this way of protesting against "working for the Government", and expansion of business will be greatly spurred by the reduction of the excess profits tax from 100 to 60 per cent.

Removal of the 8 per cent sales tax on all machinery of production will stimulate manufacturing and help to increase the output of many lines of consumer goods for which urban and rural buyers have been waiting during the war years, and supplies of many scarce items will be increased by the cancellation of the 10 per cent war exchange tax imposed in 1940 on all imports from non-Empire countries.

Canadians have not grumbled unduly over the heavy impost of wartime taxation and they are entitled to heave the collective sigh of relief with which they greeted this first tangible evidence of an easing of the strain on their pocketbooks. A war still has to be paid for and the day of easy taxation may never return, but surely now the peak has been passed and the task of helping the Government finance the peace will be somewhat lighter for you and me.

Taxpayers would be much better pleased, however, if the Government would use a sharp and stern pruning knife on expenditures which are no longer necessary. The civil service is still packed with employees taken on in the peak days of wartime need for their services. Top-heavy and costly army, navy and airforce set-ups beyond any possible peacetime level cannot be justified since their jobs are finished. Huge staffs across the country are still in charge of stocks of surplus material which by now should have been released to industry or to farmers and turned into cash.

These are only a few of the items that would occur to a citizen accustomed to balancing his personal budget. The minister of finance with the best will in the world cannot by himself effect all these savings. Some of his fellow ministers could well give him a hand in this direction. The taxpayers would like it.

★ ★

RURAL electrification is on the way but its progress is disappointingly slow. A start has been made on projects covering a number of communities in the Western provinces, but so far no great area has been brought under the power line.

Federal and provincial governments might well show a more active and pressing interest in such a general program, not only by helping to finance the heavy initial outlay for rural power projects but by recognizing priorities for the poles and equipment required.

Electric light and power will be big inducements to the mechanically trained serviceman returning to or starting on a farm, particularly if his wife is a girl

accustomed to the conveniences of a city home. Their life will be happier if electric power reduces the drudgery of their tasks in the home and around the farm. This feature alone would make it worth while to speed up the prolonged schemes projected for bringing electric light and power to country homes.

★ ★

OFFICIALS administering the Veterans' Land Act are rightly exercising their considerable power of discretion in selecting the type of ex-serviceman who is being encouraged to settle on a farm. A very thorough screening process is employed since the men in charge agree that not only the veteran's funds but good years of his life are involved and a mistake would be costly business for him and for the country.

The Government can do a man a poor service by helping him get started in a calling for which he is not suited. The applicant must be impressed with the fact that farming is a serious business, requiring knowledge, aptitude, adaptability and at least some experience, and the would-be farmer must satisfy the authorities that he possesses these qualifications.

Too many S.S.B. cases after the last war emphasized the lack of these precautions. Unsuitable men were placed on impossible farms. Many after an honest trial gave up the struggle. Others are still carrying the load of debt and worry with which they were saddled. The recent plea of Robert Fair, M.P. for Battle River, that these remaining victims of circumstance now be given clear title to their land deserved a better fate than was accorded it in being "talked out" in the Commons and ditched, probably for another year. Meantime, V.L.A. officials are planning to prevent recurrence of this situation 25 years hence.

★ ★

IT is gratifying to see Canada accorded a leading role in the Food and Agriculture Organization, the first of the new permanent United Nations' bodies to be set up after the war. A Canadian, L. B. Pearson, presided over the first conference, held last month in Quebec City.

Including in its membership the representatives of 40 nations, F.A.O. will attempt to link the needs of people for food and other products more directly with the means for satisfying these needs by utilizing modern methods of production, processing and distribution, in the belief that this is the way to cure some of the world's economic ills, including hunger and extreme poverty which are among the predisposing causes of war. This task will call for long-continued effort and international goodwill and understanding and to the achievement of the desired goal Canadians as a nation and as individuals can make a very real contribution.



# 800 Turkeys Bring in Major Farm Income

By FRED SALTVOLE

HAVING found the turkey flock to be their most profitable farm enterprise, even during the depression, Mr. and Mrs. L. E. Richardson, Vulcan, Alberta, have steadily increased production until this year they have 800 birds. They now rent their half-section of land to a neighbor and devote their full time to raising the turkeys plus 500 laying Leghorn hens and several hundred cockerels marketed during the summer.

Richardsons believe that generous feeding of turkeys throughout the year is the best policy, and their birds, therefore, never wander off the range in search of grasshoppers and other feed. The entire one-third share of the grain crop, plus thousands of pounds of purchased concentrates and commercial supplements is consumed by the birds. On October 2, when I visited the farm, the turkeys were eating some 700 pounds of feed and drinking four barrelsful of water daily and that intake will increase steadily till marketing time.

The turkey ranges are just big enough for sunning, exercising, feeding and roosting. It is important to provide plenty of roosts—high and low—for the turkeys at all ages. The brooder houses are left on the range all year to provide shelter for the birds when they want it, but the older birds usually prefer to remain outside even in winter. Four ranges are used in rotation, the three idle ranges each year being either plowed or allowed to remain in grass.

## Broad Breast Bronze

Richardsons are staunch advocates of the breeding of broad breast Bronze turkeys. Obtaining their first breeding stock from the States in 1941, they liked the type so well that now almost the entire flock is broad breast. While somewhat similar in appearance to the standard Bronze, the breasts are on the average considerably wider and the whole body is rounder and more compact. The birds were already showing good development and meaty build when I saw them.

At the Calgary Poultry Show last December, Richardsons captured the "Best Dressed Bird of Show" award with a broad breast tom: the first time in years that this award had gone to a tom. They have consistently won many of the top ribbons in dressed turkey classes during the past years, bearing out Mr. Richardson's claim that the broad breast type dresses out much better than the standard Bronze which has for years, he says, been selected almost solely for feather coloring.

THE best hens in the flock are selected for breeding stock in the fall. Last fall, 50 hens and eight toms were kept. Toms are either bought in the fall or raised from eggs bought in the spring, these hatches being toe-marked and the best toms selected. The type selected by Mr. Richardson are medium-size, with broad breast, but not too front-heavy, legs not long enough to give a rangy appearance, sides sprung out (not slab-sided), and a smooth head showing strong masculine character in the case of the toms.

About a month before eggs are wanted the toms and hens are fed a commercial supplement, following directions on the bag, and artificial lights are provided. Nests are distributed around the range and no trouble has been experienced with hens hiding their nests, partly because they are



## TURKEYS IN A BIG WAY

Feeding time on the Richardson poultry farm is shown in the two pictures at upper left, as young Doug, the assistant, pours out feed by the sackful and water by the barrelful. At upper right, the shelters, used as brooder houses in the spring, and roosts are seen in the background. The lower picture shows Mr. Richardson holding a tom, already well developed in early October.

fed properly and partly because the broad breast type naturally roam less than the standard Bronze, says Mr. Richardson.

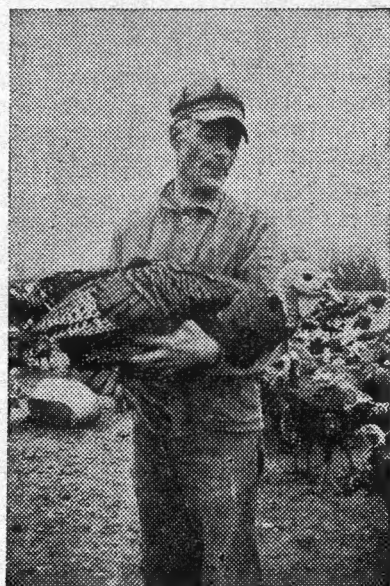
## Eggs Incubated on Farm

The birds are usually fed to begin laying the first week in March, as Richardsons consider April-hatched poult ideal for complete and even maturity of all birds at market time. All the eggs, except a few extra ones sent for custom-hatching, are hatched on the farm in 150 to 200-egg incubators. Mrs. Richardson finds that turkey eggs require a lower temperature and more moisture than hen eggs; she achieves an average hatch of 70 to 80%, a considerably higher average than is obtained from the eggs sent for custom-hatching. Fertility of the eggs is about twice as good when all the toms run with all the hens, rather than one tom being penned with a particular hen or hens.

About 12 weeks before eggs are wanted, the breeding stock—both hens and toms—is fed a commercial hatching egg supplement, mixed with ground grain according to directions, and a ration of whole, hullless oats available separately in hoppers. The breeding stock is kept fit but not fat. If in the future eggs are wanted earlier than March, artificial lights will be provided about a month beforehand. Nests are distributed around the range and no trouble has been experienced with hens hiding their nests.

When no more eggs are wanted, all the hens and toms are dressed and sold (the surest way I know of to stop laying). This system eliminates cost and labor of carrying the old birds through the summer and possibility of carrying disease to the young birds, and ensures that all the breeding stock used each year is young and virile.

THE young poults are put in the brooder houses on fresh range. Brooder houses are ordinary grain bins, lined with tar-paper on floors, walls and roof, and with corners rounded by sacks of straw to prevent crowding. Heat is supplied from kerosene or coal brooder stoves. All poults of different ages—even a few days apart—are kept in separate



brooders. Weather conditions determine when the heat is removed, but it is important that it be removed in gradual stages.

The poults are fed commercial turkey starter and water only, to the age of about four weeks. Then a home-mixed mash gradually replaces the starter. This mixture varies at different periods of the year—containing a higher proportion of turkey supplement when the birds are younger—but early in October it consisted of:

- 250 lbs. ground wheat
- 140 lbs. ground, hullless oats
- 200 lbs. bran
- 200 lbs. shorts
- 90 lbs. wheat germ
- 50 lbs. alfalfa meal
- 100 lbs. turkey supplement
- 100 lbs. laying supplement

In addition to the mash, a mixture of two-thirds whole wheat and one-third whole, hullless oats was being fed. All mash is fed dry, and all mash and grain is fed in troughs. The feed is available most of the day, and the birds select what they want. When I saw them they were eating large quantities of mash and increasing amounts of whole grain. The consumption of whole grain gradually increases until at marketing time it is three-quarters of the total ration. Water and grit are constantly available.

About the best half of the flock is sold as breeding stock, to neighbors and to more distant customers, commanding a reasonable premium over market prices. This year, Mr. Richardson intends to group the breeding stock into two or three grades for sale at varying prices.

Breeding stock is sold from the middle of October until about the second week in December, when the re-



maining birds are killed and dressed for market. For all birds sold in 1944, an average price of \$6 per bird was realized. After marketing time, Mr. and Mrs. Richardson go to the Calgary Poultry Show with a few of their best, dressed birds.

An important point in dressing is to drain every bit of blood from the large neck veins, using hand pressure after the ordinary bleeding is completed, to prevent the blue necks so often seen in dressed market turkeys.

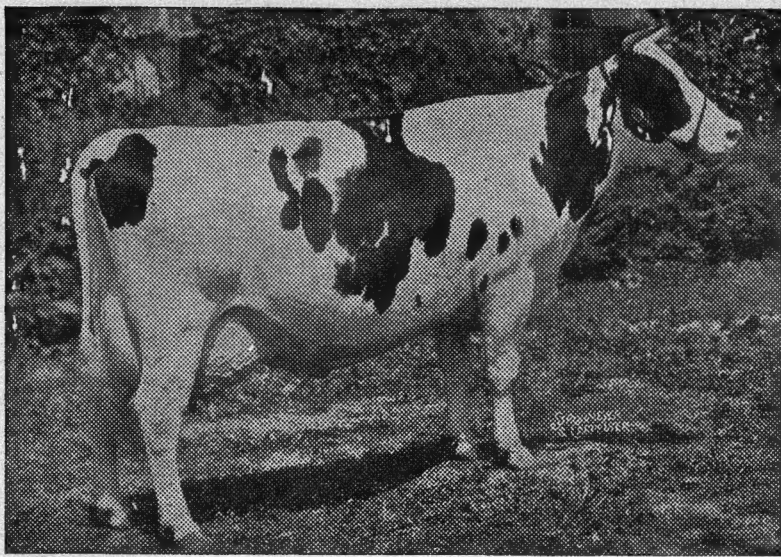
FREEDOM from disease is credited by Mr. Richardson to rotation of ranges, destruction of old birds and proper feeding. The flock was tested for pullorum for the first time in 1944, and there was not one reactor. Occasionally a bird develops "nutritional roup", from insufficient green feed in the diet, and then more alfalfa meal is added to the mash. Lice have given no trouble. Mites are checked by painting roosts with Black Leaf 40.

Badgers have killed a few birds, but are controlled by trapping. Coyotes are frightened away by a poultry fence around the sides of the range farthest from the buildings, and by hanging a lighted lantern near the roosts. Only slight loss has consequently been suffered from animals.

HATCHERIES are interested in buying greater quantities of turkey eggs, from blood-tested and inspected flocks. Demand for poults has greatly exceeded supply in recent years. Richardsons intend next year to have more turkey hens and start them laying earlier, selling the earlier eggs to the hatcheries, then keeping all for a period to hatch their own April poults and then selling a few of the later eggs again to the hatcheries. They believe buying poults instead of breeding them may be good business for a commercial turkey-raiser who hasn't established a good breeding-flock of his own.

A large bird has been in demand by military and other camps during wartime and Mr. Richardson has been marketing birds averaging about 28 pounds for toms and 18 pounds for hens, but he believes a smaller, family-size table bird will be increasingly popular in coming years. He intends next year to raise a few of the smaller broad-breast Bronze, a newly developed type which he hopes to obtain from El. Tester, of Milo, who is among those pioneering with the type in Alberta. This "bantam size" Bronze, sometimes called "Wagon Wheels", is also attracting favorable attention from Alberta poultry fieldmen who are encouraging the raising of turkeys averaging about 12 pounds for hens and 18 pounds for toms, which is a popular size in the overseas market.





## RECORD PRICE FOR HOLSTEIN COW

Hays, Limited, Calgary, paid \$21,000 for this Holstein cow at the Glenn L. Bancroft dispersal sale held last month at Flint, Mich. This is the highest price paid for a Holstein cow on the continent since 1920. The cow is Montvic Bonheur Pietje B., bred by Mount Victoria Farms, Hudson Heights, Que. She had previously brought \$6,500 in 1942, and \$20,000 in 1944. Hays also was runner-up in the bidding for the bull, Raymondale Ideal Successor, which sold for \$18,000, highest price paid for a Canadian Holstein bull since 1918.

Since she was purchased by Hays, Pietje B. has given birth to a bull calf for which there was a bid of \$20,000 by a South American cattle breeder. If the calf had been a heifer, his bid was \$5,000.

## Breeders' Notes

**PERCHERON News:** Sold by Gilbert E. Arnold, Grenville, Que., largest horse breeder in North America, to a buying agency for farmers of Colombia, South America: six stallions, from three to five years old, and eight registered mares.

Mr. Arnold, a heavy buyer of purebred Percherons in the West, recently bought another carload of mares including three from Hardy Salter, Calgary, and one from Dwight Ellis, Hubalta.

Sold also by Dwight Ellis: a pair of black, three-year-old fillies, Park Lake Pearl and Rockland Patsy, to Basil E. Lowe, Amherst, N.S. Mr. Lowe is the new breeder who came to Alberta last spring and bought the good stallion, Hivu Charcoal.

Sold by W. J. McCallum, Brownlee, Sask.: the promising two-year-old, grey stallion, Silver Jim, to R. O. Sykes, Bears paw, Alta. (this stallion will be exhibited next year); and the six-year-old mare, Margaret Rose, to Allan Wotters, Princeton, Ont.

Bought by Guy Campbell, Galahad, Alta., the grey stallion, Record.

Bought by Nick Penchuk, Newbrook, Alta., the stallion, Captain Norman, from W. D. McMillan and Sons, Thorhild, Alta.

Bought by A. Tribe, Edgerton Station, Alta., the eight-year-old mare, Justamere Hazel, from Mrs. Jessie Fox, Lloydminster, Sask.

Bought by O. B. Pearson, Mayerthorpe, Alta., the black mare, Faudella, from L. O. Crockett, of the same district.

Bought by James W. Marshall, Fairlight, Sask., two fillies, June Rose and Doranne, from Mrs. Annie Myles, Elkhorn, Man.

Bought by W. R. Mowat, Greenway, Man., the four-year-old mare, Kenlee Zinna 21771, from Stanley A. Cox, Beresford, Man.

Bought by Honorat Tougas, Fisher Branch, Man., the six-year-old stallion, Don of Emdale, from Philip Grad, of the same district.

Percherons are the official draft horse sires in the newly established government stud of Argentina, where grade mares are brought for breeding to the government purebred Percheron stallions.

A. E. Lamb, prominent Percheron breeder from Essex, England, visiting in Alberta, recently ordered through Hardy Salter, Secretary of the Alberta Percheron Club, "two grey, three-year-old, Percheron stallions, over a ton in weight" at \$1000 each. One, an outstanding animal bred by George Fraser, Tate, Sask., has already been selected and the other remains to be chosen. Mr. Lamb expects to make further Percheron purchases in Western Canada next year.

Fred Yeabsley, of the West Calgary Jersey farms, has sold two yearling bulls to other Calgary breeders: Calgary Royal Jester, second-prize winner at the Calgary Exhibition this year, son of the first-prize cow and the reserve grand champion bull, to J. A. E. Brown; and Calgary Jester's Stan, sired by the same bull, to M.D. and R. F. Carlyle.

Roy Ballhorn, Wetaskiwin, Alta., breeder of "Woodlawn" Aberdeen-Angus cattle, recently purchased two heifers at the Tolan sale in Illinois; and two bulls, one bred at Creston, Ill., and the other—never beaten during several exhibitions last summer—from George Wilson, Springfield, Ill.

First Canadian ever to judge at a South American Holstein show will be J. J. E. McCague, Allison, Ont., placing Holsteins this year at the Santiago Exhibition, the premier cattle show of Chile. G. M. Clemons, Brantford, Secretary-Manager of the Holstein-Friesian Association of Canada, will accompany him for a visit to the leading herds in many South American countries and a check on the reaction of the breeders to Holsteins they have imported from Canada.

A total of \$14,630 for an average of \$271 was realized on the sale of 54 head of purebred Holsteins at the dispersal sale of the Rambleside herd of Robt. Cooper, Mono Road Station, Ont., October 12. The highest figure was \$500 paid by J. M. Fraser, Streetsville, Ont., for Rambleside Cora Posch, a five-year-old cow. The 29 milking females averaged \$330; four bred heifers \$227; eleven open heifers and eight calves under one year \$144.



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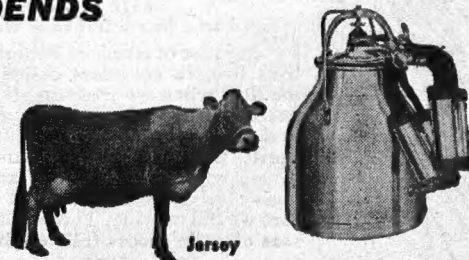


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**For what avail the plow or sail—  
or land or life if freedom fail?**

Emerson



THE fighting is over—and peace has at last come to a war-weary world.

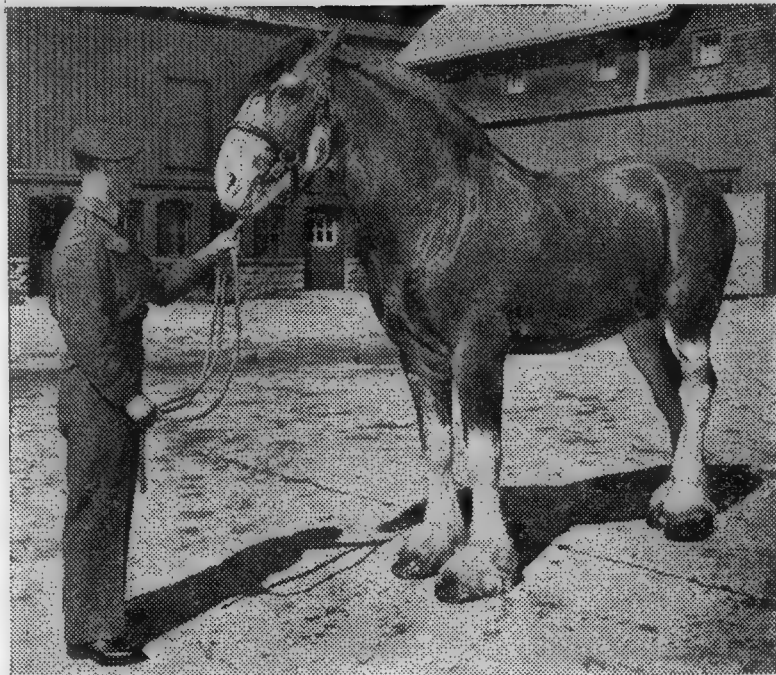
But the cost of freedom is high—in precious young lives lost, in countless casualties suffered. This is the time when we must do all in our power to make our dearly-won freedom secure, and repay our debt to those who have suffered and sacrificed in freedom's cause. Our armies of occupation must be maintained. Those who were wounded and disfigured in battle must receive the best medical attention and hospital care we can provide. Thousands returning from Overseas must be successfully established in civilian life. Yes—to those who fought in our behalf the cost of freedom was high—but how little it is for us who are only asked to lend our money.

It's a big objective set for the Ninth Victory Loan: But freedom's cause must not fail—so let us show our thanks in a practical and substantial way by buying more Victory Bonds than we ever did before.

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PREPARING FOR CIVILIAN LIFE

Gnr. Bert Walker, of Stony Mountain, Man., looks over a Clydesdale stallion that he wishes he could have when he returns to his own farm. He is one of a group of Canadian Veterans returned from Europe who were taken on a recent tour of the Central Experimental Farm, Ottawa. Others who were very interested in the good livestock they inspected were Sgt. A. W. Sprecker, Limbey, Alta.; Cpl. M. Aske, Leedale, Alta.; Gnr. Earl Prince, Marchwell, Sask.; Cpl. James Vincent, Meath Park, Sask.; Gnr. F. Belcourt, Grande Prairie, Alta., and Thomas Hallett, R.C.A., Edmonton.

## Advocates Culling of Herds To Fewer and Better Cattle

CONCERN has been expressed in some quarters over liquidation of beef cattle holdings this fall and winter, says a recent letter issued by the Lethbridge Experimental Station. The fear has been expressed that such liquidation will reduce potential meat supplies a year or two from now. To the writer of this letter these fears appear needless. In fact, in most respects considerable liquidation seems to be the soundest action that can be taken.

Fundamentally Canada is over-stocked with beef cattle at the present time and the same is true of the United States. In the West we simply do not have sufficient feed reserves to carry our present cattle load, and that will be even more true if 1946 turns to be a dry year.

The second factor is that on the basis of markets available previous to the war our cattle stocks will be hard to move after the present war-time demand subsides. As the European production of livestock gradually returns to normal, says the writer, we may expect a reduced demand for our meat stocks. This demand is at an all-time high at present. None but the wishful thinker believes that there will be no change in this situation.

THERE never has been a more favorable situation for liquidation of beef cattle stocks. Our hog production has been reduced drastically. The world is crying for meat at prices that are generally acceptable to producers. There is no apparent limit to the amount of meat that can be disposed of once it can be put into consumer form. The limiting factor is the physical capacity of our processing plants.

In the face of this situation what is more logical than to reduce our holdings to a more nearly normal level during the next year with emphasis on culling the inferior stock. There never was a more favourable time for such action.

This does not imply an unrestrained flooding of the market. It requires a careful analysis by each individual producer of his present holdings, his ability to provide a continuous, adequate supply of feed for his stock, and a survey of the quality of that stock.

## Breeders' Notes

QUALIFYING in R.O.P. records during the month of October were the following Ayrshire cows:

Three-year-old class, 365-day division, Chestermere Ruth, owned by Hodgson & Borrett, Forest Lawn, Alta., 15,023 lbs. milk, 592 lbs. fat; Ellen's Isle Pansy 3rd, owned by S. P. Chaplin & Sons, Agassiz, B.C., 10,678 lbs. milk, 454 lbs. fat.

Mature class, 305-day division, twice-a-day milking, Glenwillow Inetta, owned by Hodgson & Borrett, Forest Lawn, Alta., 11,761 lbs. milk, 497 lbs. fat. She is also a Bronze Seal certificate winner with 62,546 lbs. milk, 2,524 lbs. fat to her credit in five lactations.

Two-year-old class, Glenwillow Olga, owned by Joseph Standish, Calgary, 8,566 lbs. milk, 419 lbs. fat.

Tudor Beauty, owned by A. E. Dumvill, of Sardis, B.C., was among Jersey class leaders for September in the mature class, 365-day division on three milkings with a production of 12,602 lbs. milk, 647 lbs. fat. On two milkings a day, Sun Dance Joy's Rose, owned by R. G. May, Calgary, produced 14,654 lbs. milk, 656 lbs. fat. Sun Dance Joy's Upstart, from the same herd, led in twice-a-day milking with 12,979 lbs. milk, 645 lbs. fat. In the four-year-old class, the leader was Frasea Mason Pilot Puss, owned by J. Grauer & Sons, Eburne, B.C., with a production of 8,296 lbs. milk, 426 lbs. fat on three milkings a day, while Summerland Experimental Farm had the winner in the two-year-old class on two milkings a day with 8,548 lbs. milk, 523 lbs. fat.

Sign Your Name for VICTORY



## Dairy Cow Requires Rest Between Lactation Periods

**T**HERE is a great temptation to continue cows too long in milk production before drying them up. Of course, there are many cows that need no attention. Many go dry of their own accord, often too soon. On the other hand, there are many cows that are persistent milkers and some attention must be given in drying them up at the proper time to permit them to have six to eight weeks' rest.

Two things are of considerable importance to the future usefulness of these cows. The first of these is the rest period before calving, the second is their condition of flesh and skeleton at the time of calving. The rest period has considerable influence on the condition, especially of the skeleton.

The rest period, coupled with sunshine and green feeds, has more to do with replacing any deficiencies of calcium and phosphorus than any other factors. Cows should have at least six weeks' rest before calving and two months' time is better, especially where cows are in quite thin condition at the close of the lactation period. It has been demonstrated experimentally that cows that have reasonable rest periods will produce more milk than the same or similar cows would produce without the rest period.

Furthermore, a cow in good condition at calving time is much less subject to abnormal difficulties in produc-

ing the calf than is a cow in poor condition. Also, best dairymen place condition of cows at time of calving of greatest importance in its influence in milk production.

**T**HE first move in drying up a cow is to reduce the feed. When the daily production comes down to 10 or 12 pounds, the next move is to milk only once a day, for a few days and then once every other day for a few days. When the cow is dry she must be well fed. No time should be lost in getting the cow back on feed as soon as she is safely dry. High quality roughage should form the basis of a dry cow's ration.

If a cow is in good condition at the commencement of her dry period, feed approximately four pounds of grain. On the other hand, if a cow is in thin flesh it may be necessary to feed up to 10 pounds of grain per day. Ten days or two weeks before freshening feed a mixture of two parts oats, two parts bran and one part linseed oilmeal. Continue feeding the mixture after freshening until all inflammation and congestion have disappeared. Feed a warm bran mash immediately after freshening.

Always when one thinks about the future usefulness of his dairy herd, he does so in terms of milk production. The question, therefore, arises: Is there anything that may be done between now and the time cows will calve that will influence their production for the following lactation?

## Prices at Moose Jaw Feeder Sale Average Well Above Those Paid Last Year

**F**EEDER cattle, lambs and breeding ewes sold at good prices at the Moose Jaw show and sales in mid-October.

Prices for 2,269 cattle ran about \$1 per cwt. higher than in 1944. Cattle were judged and sold in carlots, groups of five and groups of ten of various ages.

In the carlot classes, grand championship was won by Harold Winzer, Piapot, for 23 two-year-old Herefords sold to L. C. Cratt, Simcoe, Ont., for \$12.25 per cwt. Reserve championship, Shorthorn calves entered by veteran exhibitor J. G. Harrison, Crossfield, Alta., sold for \$12.50, top price for carlots of calves, to A. M. Graham, Wolseley, Sask.

Grand championship group, 10 Hereford calves owned by Thomas Wilson, Tugaskie, sold at \$13.35 per cwt. to J. Reynolds. Top price of the sale, \$13.75 per cwt. for the third-prize group of cattle, entered by Fred McCauley, Grainland, Sask., was paid by Stepson Monieux.

More than 4,500 lambs, sold in carload lots mainly to Ontario buyers, averaged \$9.00 per cwt., about 50 cents higher than last year; and another 450, mainly sold to packers, averaged \$10.62, about \$1 higher than the same type in 1944. Best carload of black-face lambs, owned by R. Buckmaster, Eyebrow, Sask., brought \$9.25 per cwt.; the winning carlot of whiteface lambs, C. R. Knudson, Buffalo Gap, sold for \$9.25. Top price of the lamb sale was \$12.00 per cwt. for the prize-winning pen of 15 domestic lambs, bought by Swift Canadian from Ben Brown, Antelope.

Breeding ewes, 4,600 head, brought from \$6.25 to \$8.00 apiece for two and three shear; \$3.75 to \$5.50 for four, five and six shear; and \$2.00 to \$3.00 apiece

for aged ewes. Top price, \$10 per head for five black-faced ewes, two to four shear, was realized by Mrs. R. Hunt, of Moose Jaw. Two polled Rambouillet rams; University of Saskatchewan, brought \$27 each from W. Cooper, Ituna, and five horned ones sold at \$20 each to O. Vodakin, Golden Prairie. Joseph Mofatt, Sinaluta, sold Suffolk rams for \$23 to \$32 a head.

• • •

## Hereford Breeders' Membership Grows

The Alberta Hereford Breeders' Association at a special general meeting at Calgary on October 24 were told by secretary John Wilson, Innisfail, that over 150 new members have registered this year, and that numbers of Hereford cattle registered across Canada are up 35 per cent.

While this reflects the popularity of the breed, said Mr. Wilson, he warned that unless the bull calves are drastically culled it might lead to a top-heavy percentage of bulls offered for sale in the next couple of years. It was also emphasized that now the United States has adopted the system of accredited herds very few bulls at the 1946 sales may be exported across the border since only a few breeders have had their herds tested yet. The Dominion government was urged to use provincial veterinarians for this testing if necessary.

Directors elected to the Canadian Association to represent Alberta were Frank Collicutt, Crossfield; W. A. Crawford-Frost, Nanton; Roy Bond, Irricana, and W. Moore, Garfield.

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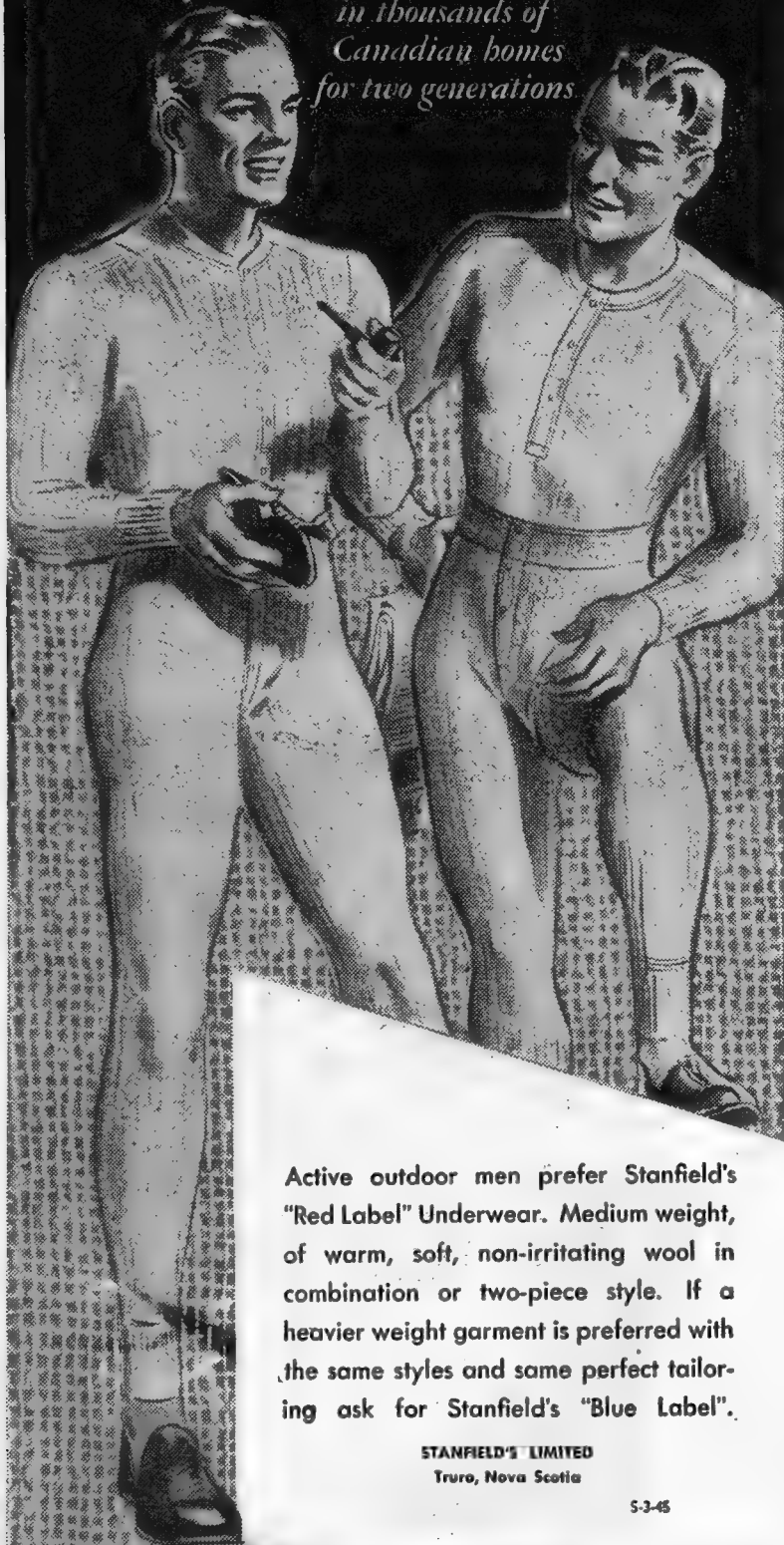
Manufacturers of Rubber and Canvas Footwear, Rubber Clothing and Gloves, Rubber Heels, Soles and Soling, Quarter and Sock Linings, Proofers of Cloth and Wholesalers of Leather Footwear.



# STANFIELD'S

*Red Label*

*The Standby  
in thousands of  
Canadian homes  
for two generations*



Active outdoor men prefer Stanfield's "Red Label" Underwear. Medium weight, of warm, soft, non-irritating wool in combination or two-piece style. If a heavier weight garment is preferred with the same styles and same perfect tailoring ask for Stanfield's "Blue Label".

STANFIELD'S LIMITED  
Truro, Nova Scotia

5-3-45

**STANFIELD'S**  
*Unshrinkable*  
**UNDERWEAR**  
SOFT - WARM - DURABLE



## Hurry and Carelessness Cause Accidents; Watch Dangerous Machines and Animals

### I. H. C. Displays New Implements

ON October 15th, International Harvester Co. presented a panoramic demonstration of its agricultural machinery and equipment, tracing the development from Cyrus McCormick's first horse-drawn reaper through the modern self-propelled harvester thresher. New units not yet in production were shown, including a "cub" tractor designed for family-sized farms smaller than 40 acres. Under a beautiful fall sky the showing took place in a big canvas pavilion at Harvester's Hinsdale experimental farm some 20 miles from Chicago. The audience was made up of some 200 publishers and editors from Canada and the United States as well as top Harvester officials.

President Fowler McCormick in welcoming the guests said "none of the equipment you will see was dreamed up in a closed laboratory, it was designed to meet the needs told us by farmers", emphasizing that farm machinery must do a more complete job than ever before in enabling farmers to produce more food with less effort and at lower cost.

A procession of 31 types of tractors—ranged from the biggest and most powerful machine designed for heavy work in the wheatlands to the orchard model, streamlined to prevent damage to fruit tree branches. The new "Farmall Cub" tractor—pulling a 12-inch plow will work from 3 to 3½ acres per 10-hour day in most soils; its 4-cylinder engine under maximum load will consume less than a gallon of gasoline per hour. The "Farmall Cub" will be produced at Harvester's proposed 47-million-dollar Wood River, Ill., plant.

Harvester's new "touch control" power actuating system was demonstrated. This is an integral part of the tractor enabling the operator with a touch on a small lever to raise or lower and regulate the attached implement without stopping work. Many other Harvester units in various stages of experiment were shown: highway mower, dry hay chopper, green hay chopper, small hay baler and a small type self-propelled combine as well as two types of farm home freezers which will be in production by the end of 1946. Dairy equipment will include milk coolers, formerly produced but incorporating refinements. Making of milkers and cream separators will continue.

The program demonstrated by International Harvester Co. showed a firm faith in agriculture on which this great corporation's business depends. With machinery, life on the farm will be easier and more attractive, as President McCormick told his guests.

### Fewer Hogs, More Cattle

SHRINKAGE in hog production, with an increase in cattle numbers on the farm, is revealed in the figures for June, 1945, census of livestock on farms in Canada, just issued by the Dominion Bureau of Statistics.

Hogs on the farms at that date numbered 6,026,000, compared with 7,741,000 head at the same date in 1944, while cattle had risen from 10,346,000 head in June, 1944, to 10,759,000 head in June, 1945. Numbers of sheep and horses showed a decrease from last year.

IT is impossible to over-emphasize the importance of thought and care in the prevention of farm accidents. Every year the rush of harvest work brings its toll. About 50% of the fatal and non-fatal farm accidents result from the careless operations of tractors. Next in line are the accidents which occur with farm animals. Hurry and carelessness are the two major criminals, and hurry is the worst offender. The pressure of work often result in damage or death.

The man who gets things done is the man who places safety first. There is a difference between thoughtless short cuts, and easier methods that result from planning. Easier ways of doing work contribute to safety by reducing



fatigue. An overworked farmer is too tired to think, and that's the time when accidents happen.

The quiet of the wheat fields and farm as compared to noisy shops and mills would seem to suggest safety, but more deaths occur from accidents on the farm than in any industry. Industrial accidents are reduced because of the enforcement of safety measures. These safety measures need to be applied to agriculture, says Mr. Stephenson. Little has been done about accident prevention on the farm, with the result that the toll of accidents has piled up. Do your share. Hurry less. Think more.

This illustration shows a plate which a number of manufacturers have agreed to place on their tractors and other farm implements in order to warn the operator at all times to exercise the utmost caution to avoid injury to himself or others on the farm.

### PIONEER DIES AT 82

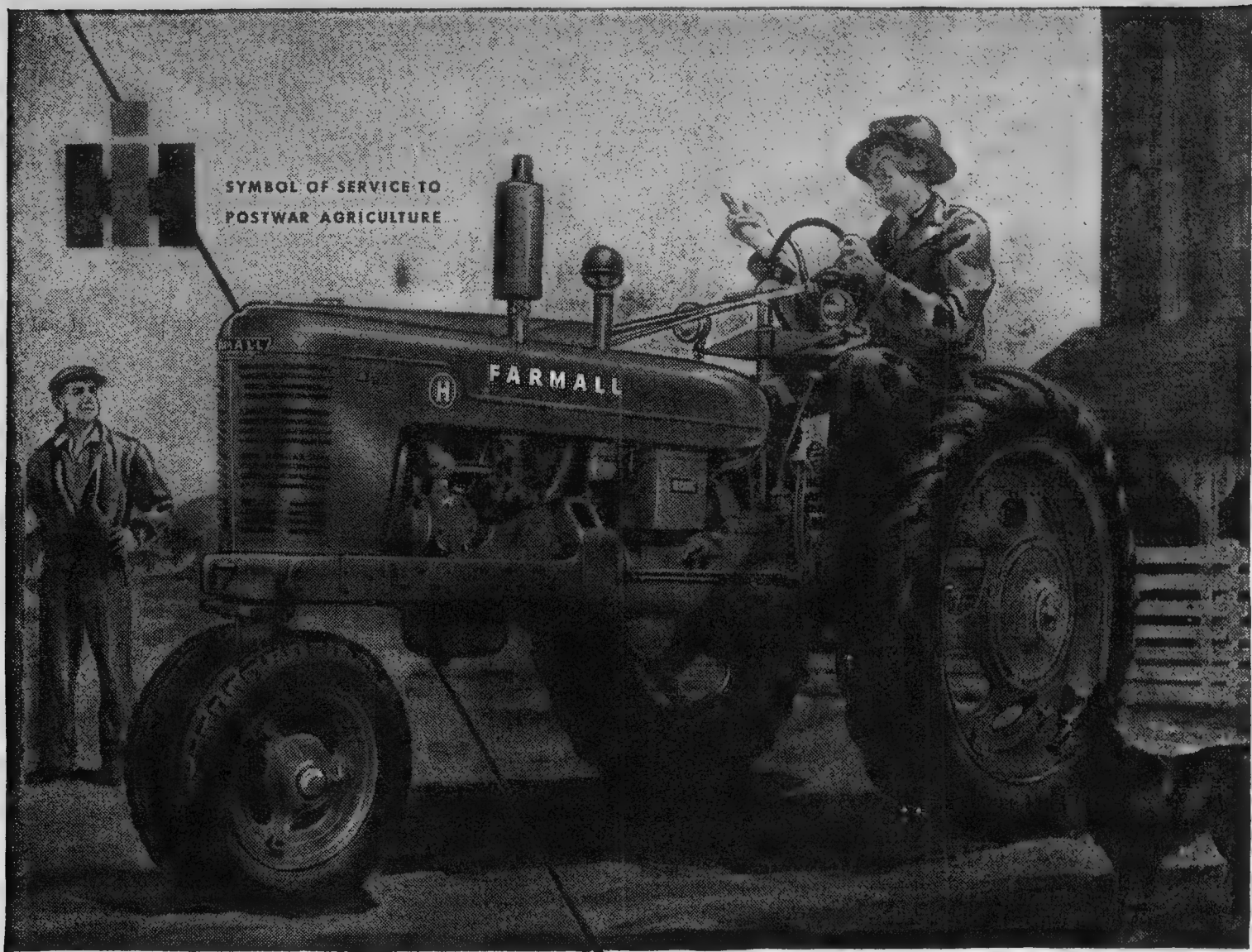
A pioneer farmer of the community, James Devlin, died at Watrous, Sask., in September. Mr. Devlin had served in the British Army for over 20 years—in Ireland, Aldershot, Malta, India and Burma—during the Victorian era. In 1914 he enlisted again and served with the Third Battalion at Weymouth for several months. Born in Edinburgh, Scotland, in 1863, he was married in Glasgow in 1888, and was accompanied by his wife during much of his foreign service. He and his family came to Canada from Scotland in 1903, and homesteaded near where Allan, Sask., now stands, moving to the present farm home near Venn and Watrous in 1905. He was 82 years of age, and is survived by his widow, three daughters, six sons, 13 grand children and five great-grandchildren.

### CANADA FARM FIGURES

The total of all farm land in Canada is 175 million acres of which 92,400,000 acres are improved land. Each year about 57 million acres of land are under crop in all of Canada, of which total 38 million acres or 67 per cent are under crop in the prairie provinces.

The total number of farmers in Canada is 732,715 and the total number in the prairie provinces is 296,441. Alberta has 99,716 farmers.





**THE FARMALL SYSTEM**  
**...FOR FARM PRODUCTION**

**THE INTERNATIONAL TRUCK**  
**...FOR FARM HAULING**



The Farmer is building his future.

He did a whale of a job during the war years and all the world knows it. He was glad to do it—because the *Farm* ranked equal with the *Armed Forces*—equal with the *War Plants*.

Now that peace has come, which one of these three goes right on? Whose job is bigger than ever?

*The Farm—and the Farmer!*

Yes, you are looking to 1946, and to International Harvester. At every International Dealer's store there is a rising call for modern equipment. You have made your old equipment do—now it is time for the *new*, and the *better*.

We know our great responsibility as the leading builder of the power and tools you need. Count on Harvester to do its utmost. We are pledging every human effort and all our resources. We are working night and day to build the equipment you must have to carry on with your work.

Keep in touch with your International Dealer. He'll be in better shape, month by month, to get you a Farmall Tractor in the size you want, and the improved equipment our engineers are building for postwar farming.

INTERNATIONAL HARVESTER COMPANY  
 OF CANADA LIMITED  
 Hamilton Ontario

When it comes to your postwar truck . . . remember that it's only **INTERNATIONAL** that outfits the farmer for both **production** and **transportation**. For nearly 40 years of its 114-year history, International Harvester has built International Trucks.

For four long years, new International Trucks went off to war by the thousands. Today we're building them again for the home front in light-duty and medium-duty sizes that hadn't come off the assembly lines since early '42. However, it will take considerable time to manufacture enough new Internationals to meet the demand. Efficient maintenance of your present trucks continues to be very important.

125

DEALERS EVERYWHERE  
**INTERNATIONAL**



TO SERVE THE FARMER

**HARVESTER**



**The house  
that Jack  
didn't build**



**W**E'VE ALL HEARD of the house that Jack built, but nobody hears of the houses that thousands of Jacks haven't built. They've existed in dreams, or they may actually have been planned, but for one reason or another they have failed to materialize.

When you see an old weed-covered lot transformed into a street of cosy homes . . . when you see old tumble-down barns replaced by fine new buildings on prosperous farms . . . you can usually figure that a mortgage loan has helped these people to realize their dreams.

In old-fashioned melodramas the mortgage was a threat to family security. Today it is just the reverse. Thousands and thousands of families live in peace and comfort in homes they own themselves because of mortgage funds made available through the Life Insurance companies.

A portion of every dollar invested by Life Insurance companies has helped finance town and farm mortgages for solid thrifty borrowers all across Canada. The balance is in government and municipal bonds, industrial securities, etc. Life Insurance builds prosperity at the same time that it stands guard over the homes and loved ones of four million policyholders.

LF-25

**It is  
good citizenship  
to own**

A Message from the Life Insurance Companies in Canada.

**LIFE  
INSURANCE**

## Quality Animals Sell High At Good Calgary Fall Show

**A**LMOST everyone was happy about the Calgary cattle, sheep and swine shows and sales, of breeding stock and fat market classes, October 23 - 26. Buyers discriminated pleasingly, bidding generously for top-notch animals but making Auctioneers Boyce, Damron and Durno (all three working together) work for their money on the lower-quality offerings. However, general quality of the livestock was good and average prices were in most cases above last year's.

Some of the swine breeders were disappointed: although the averages were similar to last year's, a few sows and boars did not make the established upset price of \$30 and \$35 respectively and remained unsold, while the top prices were not as high as last year's in most swine breeds; but set off against the recent \$2 drop in bacon prices most breeders agreed the results were satisfactory. United States stockmen were again this year good buyers of Suffolk and Hampshire sheep; they had already relieved pressure by taking some 400 head before the sale and they still bought a considerable number of the animals auctioned.

**H**IGHLIGHT of the sale was W. A. Crawford-Frost's lot of 12 Hereford females, some of Pine Coulee Mischief and some of Silver Standard breeding, which averaged \$846.50 for an all-time Canadian record for Hereford females. Capturing both grand and reserve champion honors in Herefords, Mr. Crawford-Frost, Nanton, realized \$1,300 and \$1,200 for them respectively, both going to James Richardson & Sons, Winnipeg. Two others, at \$1,200 and \$1,175, went to John Drever, Red Deer.

Shorthorn female grand champion, from A. W. Latimer, Bowden, sold for \$325 to C. Gallinger, while Mr. Latimer's reserve champion sold for top Shorthorn price of \$450 to J. A. Rankin, Twin Butte.

The champion Suffolk ewe of Clarindale Stock Farms Ltd., Vauxhall, made a record-breaking price of \$200 from F. T. Fox, Silverton, Oregon, and the reserve ewe, from the same farm, sold for \$90 to the E. P. Ranch, High River. Some more exceptional prices — \$160, \$155, \$150—were paid for Suffolk ewes. Clarindale Stock Farms averaged \$99 for 14 head and P. J. Rock & Son, Drumheller, \$95 for six.

Champion Suffolk ram, Clarindale Farms again, brought \$290 from R. H. Burns, Sheridan, Wyo., and the reserve, from A. C. B. Grenville, Morrin, realized top price of \$300 from the E. P. Ranch. Mr. Grenville sold two others for \$200 apiece, and P. J. Rock & Son sold three of their lot for \$180, \$170 and \$150.

The champion Hampshire ram P. J. Rock & Son, Drumheller, sold to A. S. Wurz, Rockyford, for \$80, and then "P. J."—the well-known raiser of pedigree livestock and plants of many kinds—paid \$200, a long-term record, for the reserve champion exhibited by E. P. Ranch.

The Hampshire ewe champion owned by C. W. Fowler, Airdrie, sold to A. C. B. Grenville, Morrin, for \$41; and the reserve from Ken Pool, Calgary, went to W. Frelan Wilford, Stavely, for \$31. Top price for Hampshire

ewes, \$78, was realized by C. E. Elliott, Millet, from R. H. Burns, Sheridan, Wyoming.

In the Southdown classes the champion ewe, from Tom Hudson, Kathryn, Alberta, went to C. Gray Strang, Claresholm, Alta., for \$38; the reserve, from R. N. Ralph, Stavely, to the same buyer for \$17; the champion ram, from Mrs. John Richards, Red Deer, to R. N. Ralph for \$55; and the reserve ram from C. W. Fowler, Airdrie, to Manyberries Experimental Farms for \$43.

Grade ewes of various breeds and ages, 185 head, sold for \$5 to \$10.50 per head.

### Good Swine Prices

In Yorkshire classes, the champion boar was sold by T. R. Andrew, Airdrie, for \$67.50, to J. H. Jensen, Wayne, and the reserve from Rock & Son, brought \$51 from W. H. Ferguson, Calgary. Top price for Yorkshire boars, \$75, was paid to A. C. B. Grenville, Morrin, by the Dominion Government. The champion sow, from T. Gibson, Rumsey, was bought by Hanson Bros., Namaka, for \$80, and the reserve from G. Andrew, Airdrie, sold for \$81 (top price) to Capt. Veiner, Calgary.

Tamworth boar champion, owned by C. W. Lang, Okotoks, went to C. E. Skibsted, Hubalta, for top price of \$75, and the reserve from C. E. Elliott, Millet, to W. McKendrick, Calgary, for \$72.50.

In the baby beef classes, Lloyd Ralston and Melvin Ralston, of the Balzac club, took grand and reserve championships respectively, and both the calves sold to Safeway for 26 and 20 cents per pound. In the Simon's Valley club, Walter Wearmouth's first-prize calf sold to Safeway for 20 cents a pound. The 22 calves in the two clubs averaged \$143 per head. Average prices per pound were slightly higher and top prices somewhat lower than last year's.

The first-prize swine carcass, exhibited by Alex Beaton, Delia, sold to Nagler's for 35 cents per pound, and the first-prize lamb carcass shown by Tom Hudson, Kathryn, brought 80 cents a pound from Williams Bros.

### Numbers Sold and Average Prices Realized.

(Last year's average prices in Brackets)

67 Hereford females	-----	\$316 (170)
40 Shorthorn females	-----	156 (140)
9 Shorthorn bulls	-----	139 (179)
114 Yorkshire females	-----	44 (45)
94 Yorkshire boars	-----	47 (45)
35 Tamworth females	-----	39 (51)
2 Berkshire females	-----	33 (—)
6 Berkshire boars	-----	41 (43)
163 Suffolk ewes	-----	31 (19)
200 Suffolk rams	-----	43 (47)
181 Hampshire ewes	-----	14 (14)
206 Hampshire rams	-----	28 (39)
11 Southdown ewes	-----	15 (15)
27 Southdown rams	-----	23 (18)
10 Rambouillet rams	-----	25 (52)
9 Corriedale rams	-----	34 (21)
5 Cheviot rams	-----	51 (—)
196 Grade ewes	-----	7 (9)

The total of the sales of breeding stock was \$64,925.

• • •

Ed. Dawnton, of Richard, Sask., was the winner of the \$10,000 bungalow in the draw on September 29, sponsored by the Brandon Kiwanis Club. Proceeds of the draw go toward the establishment of a youth camp at Clear Lake, Man.



## Editorials by PRACTICAL OBSERVERS

FROM the standpoint of provincial interest and reconversion from war to peace, this is not the time nor is Drumheller the place to stage another strike, especially on the burlesque claim that the miners are not getting enough to eat under meat rationing . . .

### Coal Miners And Strikes

The miners at Drumheller and other points in Alberta have the legal right to strike. It is also legal to go barefooted. But in either case you may stub your toes. The miners have the right to strike on any grounds whatever. They may strike because they don't like the shapes of their wives' hats, or because they refuse to work unless they can wear swallow tails and white shirts, but these grounds for taking a "holiday" are just as reasonable as the claim that they don't get enough to eat.

Alberta has just recently gone through a long war. The people have been obliged to give up lots of things during this war, but they still had clothes to wear and coal to burn. Now they are in the position, after peace is declared that they have to do without coal on the grounds that the miners do not wish to eat more eggs and cheese. Post-war reconstruction in Alberta or anywhere else in Canada cannot make any progress as long as irresponsible miners or workers in any other industry spend their time in throwing tacks along the reconversion highway. . . .

No doubt labor has had its grievances against capital and will have them again. But the strike at Drumheller had nothing to do with capital. It was a mere flimsy pretext for a strike against meat rationing, and it indicates that too many union members wish to make strikes the substitute for negotiation.

The function of a union is to provide men with work at good wages, and there has been no complaint about the wages at Drumheller. It is not the function of a union to keep its members in idleness.

Unions which do that will cease to exist. Either they will be legislated out of existence or most of their reasonable members will quit in disgust and join other unions which will provide them with jobs.

A union which leads its members out on strike for a trivial question is false to its trust. It is false to the entire labor movement and it is inviting trouble for the rest of labor.—*The Stettler Independent*.

MR. HOWE'S statement in Parliament is an assurance that the St. Mary water development is definitely to be counted upon. It is good news, particularly the Minister's intimation that work on the dam would begin next season. The dam occupies a position of priority.

### Good News For South

Water cannot be counted upon for irrigation expansion until the reservoir to hold the spring floods and our full share of the St. Mary is built. After it is completed then we may look ahead for the carrying of water to the eastern areas where it is so much in demand and where it will have the power of transforming dried-out areas into richly productive

country. The construction of the reservoir guarantees to already existing irrigation districts the water they require for intensive agriculture, but which hasn't been available in the quantity needed since sugar beets and vegetables have become such a considerable crop and call for the use of so much more water. The water shortage of recent years has too often left the farmer fearful as to the outcome of his operations.

The Dominion Government's commitment to early action means that the expansion of irrigation so long agitated is drawing close to realization. —*The Lethbridge Herald*.

• • •

THERE is a great deal of satisfaction that God and the Government have at last decided to co-operate and restore us to Standard time. One farmer said that the measure had cost him an hour's labor each day as six o'clock supper left an hour in which a fellow should be working and yet it was hardly worthwhile to go back to the field after supper.—*The High River Times*.

• • •

THE work of investigating and combating plant diseases—stem rust and leaf rust which attack wheat plants are merely two of them—is centered in the Dominion Rust Research Laboratory, Winnipeg. This institution has produced some valuable varieties of rust-resistant grains such as Renown and Regent wheat; Vanguard, Ajax and Exeter oats, with others coming along.

Some people assume now that these rust-resistant varieties have been produced, that the work of the Rust Research Laboratory is over. This assumption I find is greatly in error, for just as the plant breeder, by crossing different varieties, creates new varieties that are resistant to the existing forms or races of rusts, so is Nature unfortunately busily at work also creating new races of other plant diseases. At any time, therefore, a new form of rust may come along to which our existing varieties will not be resistant. We can say, therefore, that the battle against rust is never ended and that the Rust Research Laboratory is only just starting the good work of which it is capable. The work, therefore, of this Laboratory, in my humble opinion, should not only be maintained in full vigour, but, considering its small comparative cost, should be considerably expanded so that our farmers can have protection against these dread rust and other plant diseases.—H. G. L. Strange, Searle Grain Co., Winnipeg.

• • •

### Sugar Beet Yield Increased This Year

SLIGHTLY increased acreage and average yields have raised the commercial sugar beet crop for 1945 to an estimate of 618,000 tons compared with 564,200 tons in 1944.

Alberta, the largest sugar beet producing province, indicated a slightly smaller yield for 1945 but an increased acreage resulted in a total production of 355,000 tons, 18,000 tons more than in 1944.



## FARMERS and FEEDERS Grain Shortages Threaten OBTAIN FEED REQUIREMENTS NOW

Elevators are holding feed grains at country points for a limited period.

The crop is short; the demand is strong!

Hold feed grains on the farm.

Buy feed grains NOW if short.

Arrange with elevators to hold grain for delivery when needed.

### AVOID DISAPPOINTMENT MAINTAIN LIVESTOCK PRODUCTION

## GOVERNMENT OF ALBERTA DEPARTMENT OF AGRICULTURE

O. S. LONGMAN,  
Deputy Minister

Hon. D. B. MacMILLAN,  
Minister

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Extra profits...extra profits...  
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## EDMONTON FALL SHOW and SALES

OF PUREBRED  
● SHEEP ● SWINE  
● CATTLE

November 6 - 7 - 8 - 9

EXHIBITION GROUNDS

Following is a list of entries for the sale totalling 695 head—from the herds and flocks of outstanding breeders.

### SHEEP—

Suffolk	rams 129,	ewes 65
Hampshire	rams 95,	ewes 33
Oxfords	rams 19,	ewes 8
Shropshire	rams 15,	ewes 8
Southdown	rams 15,	ewes 4
Grade		ewes 26

### SWINE—

Yorkshire	boars 121,	sows 110
Tamworth	boars 9,	sows

CATTLE—purebred females—  
Shorthorn 26, Hereford 16, and 4 Shorthorn bull calves.

### SALE PROGRAM

Wed., Nov. 7th—Auction sale of market lambs and commercial swine, 3 p.m.

Thurs., Nov. 8th—Auction sale purebred cattle at 10:00 a.m., followed by sale of purebred sows and boars.

Fri., Nov. 9th—Auction sale of purebred ewes and rams, also of grade ewes. Write at once for SALE CATALOGUE.

**EDMONTON EXHIBITION  
ASSOCIATION LTD.**

ARENA — EDMONTON, ALTA.



**ADD THESE  
PROTECTIVE  
MINERAL  
SUPPLEMENTS  
TO YOUR FEEDS...**

**PIG-MIN** Guards against rickets, hairlessness, anaemia. Makes growth rapid.

**SOL-MIN** for Cattle, Sheep and Horses. Promotes health, fertility and production.

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Fertilizer Division

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Send this coupon today for your NEW Indian Stamp Map.

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Listen to "INDIAN TRAILS"  
over your local radio station

## Fall and Winter Pigs Require Special Care and Feeding

By A. J. CHARNETSKI

Livestock Supervisor, Alberta Department of Agriculture

**L**OSSES in fall and winter farrowed pigs are due to six main causes:—1, Anaemia; 2, Chilling; 3, Excess hulls in feed at weaning time; 4, Protein balance in feed; 5, Not sufficient sunshine or lack of substitute for sunshine; 6, Hairless and weak and flabby pigs at birth.

1. *Anaemia* in suckling pigs is responsible for greater losses than is realized by the majority of swine producers. Suckling pigs which are denied direct access to clean virgin soil soon show symptoms of anaemia. They become deathly white all over the body, and particularly about the head and ears. Later this is accompanied by thumps, diarrhoea, loss in body weight, resulting in death within three weeks after birth. On the 3rd, 10th and 17th day after birth, treat each pig with Reduced Iron. The dose is one-half the quantity which will cover flat surface of a ten cent piece—not heaping. It does not follow that if some Reduced Iron is good for the little pigs that more will be better. Over-dosing is dangerous—often resulting in severe losses. On the other hand, proper dosage of Reduced Iron prevents death from anaemia.

2. *Chilling* of suckling and weanling pigs very often results in respiratory troubles such as pleurisy and pneumonia. When this happens pigs do poorly and cost of 100 pounds of gain is much higher. With the advent of cold nights and wet clammy weather, it should be remembered that clean, dry, well bedded sleeping quarters should be provided at least for younger pigs, if setback and losses are to be avoided.

3. *Excess Oat Hulls*. The digestive system in swine is such that only hulls in ration of creep-fed and weanling pigs are often the cause of severe losses. It is absolutely necessary, therefore, that oat hulls be removed, either by means of an oat hull sifter or at time of threshing by machine adjustment—the District Agriculturist should be consulted for particulars in this connection.

4. *Protein Balance in Feed*. If milk is not available, protein supplement or tankage must be added to the young pig's ration if stunting is to be prevented and most economical gains are to be expected. If milk is not available add tankage at the rate of 10%. If protein supplements are used, add it at the rate of 12 to 15%.

5. *Lack of Sunshine or of Substitute for Sunshine*. If weather continues dull and cloudy, or if the little pigs are kept indoors, fish oil (Pilchardene) of high quality should be substituted for natural sunshine. (Sunshine passing through ordinary glass is not effective.) Mix thoroughly one pint of warm fish oil with two gallons of warm cracked barley or wheat, then add this to the balance of grain mixture to make up 100 pounds. Due to the fact that fish oil loses its strength when exposed to air for any length of time, it is suggested that only 100 pounds—or less—depending upon number of pigs, be mixed at one time, or the oil may be added to feed daily. The dose is one teaspoonful per pig per day. After pigs are 3½ months of age, green well-cured alfalfa can be fed in racks to very good advantage. Alfalfa fed to brood sows during the

fall and winter will ensure stronger and healthier litters at birth, but don't forget the feeding of Potassium Iodide also.

6. *Hairlessness in Winter and Spring Farrowed Pigs*. Lack of Potassium Iodide in pregnant sows' ration often results in hairless and weak pigs in winter and spring farrowed litters. To prevent this, dissolve one ounce of Potassium Iodide in one gallon of water and give one tablespoonful of this solution per sow per day.

For particulars in all feeding matters see your District Agriculturist, or write direct to the Livestock Branch, Department of Agriculture, Edmonton.

### Classic Holstein Sale Sets \$230 Average

Ninety Holstein cows averaged \$230 and five grades \$100 at the third Classic Holstein Sale at Winnipeg. Top price, \$1,225, was paid by Lars Willumsen, Okotoks, Alta., for the 11-year-old cow, sold by Hays, Ltd., Calgary. Mr. Willumsen took seven at an average of \$456, and G. L. Bancroft, Flint, Michigan, (seller of the \$21,000 cow to Hays recently), bought 44 head.

### 24D Promising New Weed Killer

**C**OMPLETE kills of willow growth, Canada thistle, perennial sow thistle and leafy spurge, and promising damage to hoary cress, were obtained in experiments conducted by C. S. Galbraith, of the Eastern Irrigation District, Brooks, Alta., by spraying once with a weak solution of "Dichlorophenoxyacetic acid" (24D for short). A sample of this new hormone preparation was obtained by Ira Lapp, District Agriculturist, from E. I. DuPont De Nemours & Co., Wilmington, Delaware.

In field tests no damage resulted to sweet clover or any of the tame grasses, but other crops were not tested this year. Cost was negligible compared with the results. It is expected that a generous test-supply will be available to the E. I. D. in 1946, and if further results are as satisfactory as this year's, it is believed that weed control throughout the country may be revolutionized, and that large sums annually may be saved in ditch-maintenance costs by irrigation districts using this new chemical against willows, which choke the ditches.

### HORSES AND MULES

The future of horses and mules on farms is not very promising, says the bureau of agricultural economics, United States department of agriculture. The growing shortage of manpower on farms during the past five years has further encouraged the shift from animal power to mechanical power. The demand for horses and mules has declined. Prices have dropped and breeding is at the lowest point in many decades. The number of horse colts raised in 1944 was the smallest in seventy years, 12 per cent smaller than in 1943 and 55 per cent smaller than in 1937.



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# Veterans, Beware! is Good Advice When Seeking Farm Bargains

By TRUE D. MORSE

"I HAD just been discharged from the army on account of a disability suffered in combat. Like many of the rest of the boys seeking quiet after several years of bedlam and battle, I thought a small farm would be just the thing for peace and security. Luckily I didn't obligate myself to buy any of the so-called 'farm bargains', until I had thoroughly studied the situation—I was able to gain a true picture of farming and farms and regular prices versus inflation prices."

Thus reads the letter of a veteran who is grateful for the advice that, "saved me from investing and losing several thousands of dollars and years of toil that might have led only to failure."

These are abnormal times. They have been induced by the most costly and prolonged wars in which our nation has ever engaged. You are being released from the armed services near the peak of the war boom. It is the most dangerous period in this generation—BEWARE!

If you want to farm, follow a few simple rules that will help guard against failure and insure your success.

1. *Be slow to buy a farm.* Most farmers buy only one farm in a lifetime. If you make a mistake it may mean that you and your family will spend all your lives in a hard struggle against poor soils and farming hazards.

LAST week I inspected a farm that a brilliant young veteran had just purchased. He had harnessed himself to an extremely poor, run-down farm. Most of his soils are among the poorest in the state. They can never be made very productive.

"Here he is—like a high-type race horse yoked up with an ox—a poor rundown farm. He can never do more than plod through life dragged down to the level of his land. Don't start life on that scale—sell the land while you can get out on this war market. Put your money in equipment and rent a good farm, or, better still, put your money in war bonds until you get some experience.

Few will follow such advice. This veteran wants to make up for the four years he has spent in the army. Instead of making up for lost time he will probably:

a. *Lose more time.*  
b. *Lose thousands of dollars due to low income through the years, and,*  
c. *Drag down his wife and children to a miserable, subsistence type of existence.*

2. *The cheapest land is usually the highest priced per acre for the class of land.* This means:

a. The cheapest land in the corn belt is now selling for \$150 to \$350 per acre. It is usually much cheaper than the land selling for \$25 to \$75 per acre.

b. The cheapest land in the cotton belt now often sells at \$100 to \$300 per acre. It is usually much cheaper than the farms selling for \$25 to \$75 per acre.

c. The cheapest land in the ranch areas, in some cases, is selling for \$20 to \$35 per acre. Such ranches are usually much less costly as investments than the \$5 to \$10 per acre land in the same areas.

Yes! the high prices per acre are wartime inflated prices—but even more inflated are the so-called "cheap

## SIMILARITY AND CONTRAST

The accompanying article is reprinted from "THE NATION'S AGRICULTURE," official publication of the American Farm Bureau Federation. While the writer deals with the veterans' farm settlement problem from the American point of view, his sound advice on a number of points applies equally to the Canadian ex-serviceman.

The article also presents a striking contrast between inflated farm land values in the United States and the comparatively stable values which have continued in Canada—a warning against the ever-present danger of inflation and its inevitable consequences, deflation and depression.

lands" selling for the lower prices per acre.

Buy good land or none. You are far better off with one acre of highly productive soils than with 5 to 25 acres of poor land that will not respond economically to treatment.

3. *Get experience first.* This is hard for impatient, ambitious youth to accept. You have fought battles and travelled to far lands. You have seen more than most people and have had experiences that few will ever have in a lifetime. Must you yet spend more years to get experience? This is what Cornell University has to say:

"Few persons would consider operating a bank or a clothing store without some practical experience in those businesses. Many inexperienced persons believe, however, that practical experience is not essential for success in farming. No amount of knowledge gained from books or bulletins will take the place of practical experience in any business... work for successful farmers."

The most profitable years you can spend will be those working for the most successful farmers in the area where you plan to start farming. Study their methods and why they make more money than their neighbors and when you start farming, imitate success.

4. *Begin farming as a tenant* when possible to rent a good farm. You can thus use your available money to buy equipment and livestock.

Do you know that many of the most prosperous and capable farmers are tenants who never try to buy the farms they operate? Often it is smart business to let others carry the land investment at a 2 per cent to 4 per cent return while you use your money for the best of farming machinery and livestock. You may make a lot more money and never need to go deeply into debt.

Today I talked to a farmer who had been a tenant all his life. At age 65 he is retiring with over \$100,000. Contrast that with those who start as owners on poor land and are never able to retire with enough for old age.

5. *Don't buy land at highly inflated prices.* Such purchases broke thousands of farmers following World War I.

"If one is able to pay cash and buys at an inflated price he will not likely encounter difficulties except to discover at a future date he may not be worth so much as when he bought the

farm." (Michigan Agricultural College.)

A SUCCESSFUL investor, after fully considering the purchase of a farm, decided he might be as well off if he left his money idle for the next five years as compared to buying now. But, of course, money need not be idle. In war bonds it will earn you as much as many land owners can expect to net from their land investments at present high prices.

While gaining experience and education in farming, the chances are land prices will be settling down to a more permanent level.

6. *Complete your education.* If war duties interrupted your schooling—complete your education unless you have very unusual opportunities for starting in business. Here is why:

Studies show that those with a high school and college education make far more during a lifetime than those who do not get the schooling. You will make more money and get more satisfaction out of farming if you complete your schooling.

7. Those veterans will indeed be fortunate who have a home farm to which they can return. A father-and-son partnership for the first years is ideal.

This nation needs a continuing foundation of successful farmers who are the most independent and capable of citizens. "Let us never forget that the cultivation of the earth is the most important labor of man. Unstable is the future of a country which has lost its taste for agriculture. If there is one lesson of history that is unmistakable, it is that national strength lies very near the soil!"—Daniel Webster.

## SHIPPING TIME... By SHEILAGH S. JAMESON

The cattle are bawling tonight,  
Are restlessly circling and bawling.  
They're milling—half crowding with fright,  
And hearing their kindred's wild calling  
Far out on the range tonight.  
The bunch were out roaming today,  
Accepting their freedom, not doubting,  
Enjoying their peace and their play.  
Then riders came chasing and shouting,  
And rounded up cattle today.  
The herd will be leaving at daybreak,  
When light grayly gleams they'll be leaving;  
Whitefaces vainly seeking escape,  
And broad, red backs jostling and heaving;  
With dust sharply rising at daybreak.

## GIVE THEM THE TOOLS OF PEACE



## BY BUYING MORE VICTORY BONDS

Give our returned men at least an even chance to re-establish themselves in civilian life. We gave them the tools of war and they finished the job... now give them the tools of peace.

Your money, loaned to the government in VICTORY BONDS, will be YOUR savings to buy for you the improved homes, stoves, refrigerators, cars, etc., that you have been wishing for these many years.

**BUY DOUBLE THIS TIME**—the same rate of savings as in previous Victory Loans, will pay for twice as many bonds as before.

This Space Contributed to the Ninth Victory Loan by the Farm and Ranch Review.

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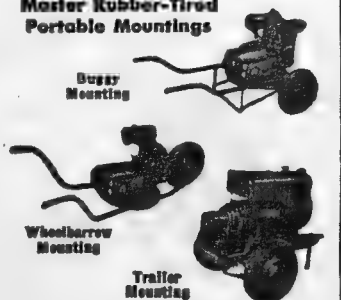


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## Productive Soil and Water Are World's Basic Resources

**T**HERE is no longer an abundance of good productive land to feed and clothe the peoples of the world, said Hugh H. Bennett, chief of the Soil Conservation Service of the U.S. Department of Agriculture, in a recent address. In fact, there was not a single acre to waste. Through the reports of 36 countries on soil conservation, it was known that soil was scarce throughout the world. There was barely enough to take care of the present populations if it were properly used, but it was still not being used properly.

In the United States alone, said Mr. Bennett, 230,000,000 acres of soil (land exceeding six times the area of New York State) had been ruined by poor cultivation or allowed to be devastated by erosion. The United States had only 460,000,000 acres of good farm land that would be sufficient to feed and clothe the population, if the soil was conserved and if the population became stabilized. Stabilization did not seem likely in the near future.

Industry and labour, as well as farmers, had a large stake in their country's soil. Business men and industrialists today were rightly concerned about their nation's productive soil and water resources. They realized as never before that these basic resources were linked directly to their country as a prosperous nation and the future of the world as a place for a growing civilization. Food played a large part in winning the war and it would play a large part in winning the peace, he concluded.

## "The Farmer Feeds The World" Topic of Radio Forum Series

**O**CTOBER 29 marked the beginning of another season's Farm Radio Forum program. As in the past, this 25-minute CBC broadcast will be heard every Monday evening at 8:30. The provincial Forum Secretary likewise resumes his duties by preparing a five-minute news report of Forum activities to complete the half hour.

Farm Radio Forum is not sponsored by a commercial organization. It has three sponsors. They are the Canadian Federation of Agriculture, the Canadian Broadcasting Corporation and the Canadian Association for Adult Education. In other words the Forum is planned and organized in the interest of the farmers. It is a program that can be used to the benefit of the individual and the district as a whole, in that it is entertaining, educational, and conducive to group activity. The broadcast itself is a discussion among several qualified speakers dealing with specially chosen topics that are considered important to the agricultural problem of the day.

**T**HIS season's theme is "The Farmer Feeds the World." No wise farmer is going to put this to the side and say he is not interested. Every farmer is advised not only to listen to the broadcasts, but to take an active part. The first step is to write to the Alberta Federation of Agriculture, 525 Lougheed Building, Calgary, and ask for Forum literature and a registration form.

If there is a possibility of organizing a listening group in your district, fill out the application form and send in the required registration fee of one dollar. Registration entitles you and every other member of Farm Forum group to a weekly copy of "Farm Guide", which outlines the topic to be discussed over the air the ensuing week. The purpose of the guide is to enable members to become acquainted with the questions under discussion, so they may derive more benefit from the broadcast, and take a more active part in the discussion following the program.

Every listening group should have a secretary and a chairman. The duties of the secretary are to distribute the guides, fill out the report questionnaire and return it to the provincial office. The provincial secretary summarizes these reports and uses them in preparing the weekly news broadcasts.

The fourth broadcast of each month summarizes the three previous ones and discusses the opinions derived from Forum reports. It is customary

for neighboring Forums to gather in a community hall for a mass meeting for this program. The usual thing is to have a guest speaker or perhaps have the different secretaries give a brief report of their findings. Then after the broadcast and discussion some special recreation should be provided.

To put Farm Radio Forum in a nutshell, says the Federation of Agriculture, it is strictly a farmers' program, with the objective of encouraging neighborliness, leadership among farmers, and to give farmers a voice in public affairs, thus striving toward making our democracy a true democracy in every sense of the word.

## McCulloch Leaving C.P.R. Farm Service

John McCulloch, superintendent of the Canadian Pacific Railway department of agriculture at Calgary for many years, will soon retire from the company and move to California, where he will continue livestock-raising activities for which he is well known.

As superintendent of the C.P.R. livestock farms in Alberta he raised some of the finest livestock in Canada, which won many honors at the Toronto Royal, Chicago International and Western Canada Class A shows. The Strathmore Experimental Farm, sold by the railway company two years ago, was his personal pride. For a number of years, during his service with the C.P.R., he was president of various livestock associations and on the livestock committee of the Calgary Exhibition and Stampede.

## Canada Exported Wheat in 1616

The growing of wheat in Canada can be traced back approximately 340 years. A French settlement in the Maritimes is reputed to have grown wheat in 1605 and in 1616 Champlain writes of a fine sample of wheat being cut at Quebec for shipment to France.

In the middle of the 18th century, Canada was actually exporting wheat, shipments in 1754 amounting to 80,000 bushels. Newfoundland and the French West Indies were the principal markets in which the wheat was then sold, but in 1770 export shipments to Great Britain were recorded.



## Plowshares and Pruning-Hooks

**A** GAIN in the world, the time has come "when they shall beat their swords into plowshares and their spears into pruning-hooks." After every war, the plowshares and pruning-hooks are sorely needed. On the declaration of peace, the Canadian farmer, with his outworn machinery, looks forward to the time of full supply which includes a long list of necessary implements.

Throughout the war, the farm men and women of Canada met with courage and uncomplaining endurance the many demands made upon them even when it would appear that the impossible was being asked.

Agriculture has helped place Canada in the vanguard of nations. Now an opportunity presents itself for the nation to place farm folk in the forefront under conditions and surroundings worthy of the victories of peace—*The Simcoe Reformer*.

## Army Trucks and Tractors in Keen Demand Among Farmers Attending Calgary Sale

**T**HE first sale of War Assets Corporation equipment direct to Alberta farmers took place at Calgary, October 18, when 39 three-quarter-ton army trucks at \$330 each and six field artillery tractors at \$280 were disposed of. The sale, attended by several hundred people, was handled by the Alberta Federation of Agriculture, which took applications from farmers (verified by municipal secretaries or district agriculturists) and these were drawn by lot to determine which 45 farmers would get the machines available. Similar test sales of this equipment have been held, through co-operation between the War Assets Corporation and the Canadian Federation of Agriculture, in Ontario, Manitoba and Saskatchewan, and all were reported successful.

Great interest in this equipment is indicated by the fact that about 450 farmers applied for the 45 machines available. The trucks and tractors went to widely-distributed buyers, from the southeast corner of the province to points north and west of Edmonton.

It is hoped by the Federation of Agriculture that more equipment—including some of the 1½-ton and 3-ton trucks as well—may be made available to western farmers in the future, but an army official stated at the sale that it would likely be some time before any more could be sold in Calgary. However, the hundreds of surplus applications are being filed by the Alberta Federation of Agriculture for possible future use.

The trucks are not standard, but are short base, four-wheeled, Chevrolets and Fords with right-hand drive; gasoline consumption averages about one gallon per 10 miles. Tire replacements are expected to be available, but not some other repair parts. The field artillery tractors, while they have almost "unlimited" power, are heavy fuel-eaters: one mile per gallon when geared to the slowest speed, or about six miles per gallon when run faster.

Most tractor buyers intend to use them for light farm work, but one plans to construct a stook-loader and hauler out of his. The trucks and tractors had been used for varying periods, but all seemed to be in satisfactory condition. Farmers are required to paint them immediately they get them home, and are not allowed to sell them within 90 days.

Dad to son: "It's none of your business how I first met your mother, but I can tell you one thing, it certainly cured me of whistling."

## Prepare Ice Well Now For Next Summer

**H**IGHER quality cream and greater returns can be looked for next summer by those planning to construct an ice well. Ice wells are an excellent and convenient means of holding cream at low temperatures and it is a good idea to look ahead and prepare the ice well right after harvest. The well should be ready before freeze-up so that during the winter months ice can be secured with a minimum of labor and expense.

Complete plans and details of ice well construction may be obtained from your local creamery, the district agriculturist, or from the dairy branch of the Alberta Department of Agriculture, Edmonton.

## Haying Machinery Should Be Cared For

**N**OW that haying is completed for this season there is one duty that should not be shelved, and that is the care of the haying equipment. It will be many months before it is required again and those ugly little gremlins of rust will have a merry time of it unless steps are taken to prevent their depredations.

Mowers and rakers should be wiped clean of old oil and grease and given a coating of new oil, over all the metal parts. Knives should be removed from the cutter bar, dried and oiled with a heavy grease. Make a note at this time of the new knives required to replace those badly worn and order at the earliest opportunity. This will ensure delivery in time for repairs during the slack season and will help you and the factory.

After the machines have been checked for worn parts, cleaned and lubricated, they should be stored in a building or shed where they will be reasonably protected from the elements.

Hay forks should be taken from their pulleys and stored in a dry place and the ropes hung up away from anything that might tend to destroy them.

Wagons could do with a coat of paint at this time as it helps to prevent drying out and loosening of spokes and other parts and adds years to the life of the vehicle to say nothing of the increased value in case of a resale.

**COLD WEATHER NOTE:** Only half as many people die from excessive cold as those who die from excessive heat each year in the United States, the National Safety Council reports.

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will help to re-establish our fighting men and to provide hospitalization and pensions.

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by Laura Wheeler

The bride blushing? Not when she receives hand-embroidered linens with these attractive motifs. Put them on towels and pillow cases.

Linens embroidered with these motifs are a grand hostess gift. Pattern 848 has transfer of 12 motifs averaging 5 x 5 3/4 inches.

Print plainly SIZE, NAME, ADDRESS, STYLE NUMBER.

BE SURE TO STATE NUMBER AND SIZE REQUIRED WHEN ORDERING



by Laura Wheeler

A gay apron adds glamour to your role as hostess. These aprons take little material. Colorful embroidery that a youngster would love to do.

You can make these aprons from one pattern of an 8 3/4 x 11 1/2 and two 3 1/2 x 5-inch motifs; directions.

Print plainly PATTERN NUMBER, your NAME and ADDRESS.

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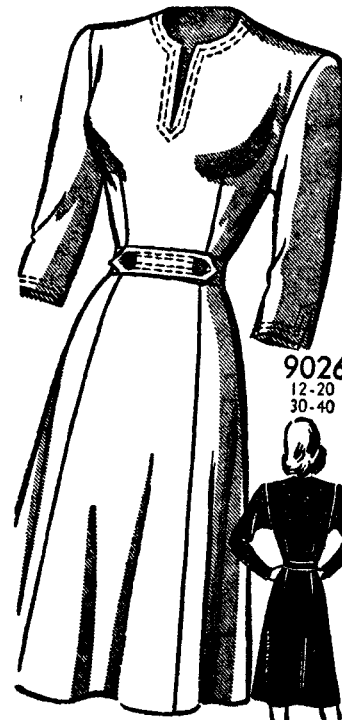
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9026  
12-20  
30-40

Newest, smoothest of basic frocks. Pattern 9026 is tailored or dressy depending on your accessories. Trim the slashed neckline, sleeves, belt with stitching. An easy-to-do style!

Pattern 9026 comes in sizes 12, 14, 16, 18, 20; 30, 32, 34, 36, 38, 40. Size 16 takes 2 1/4 yards 54-inch.

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BE SURE TO STATE NUMBER AND SIZE REQUIRED WHEN ORDERING



9365  
SIZES  
1-8

Tots' jumper frock, Pattern 9365, will please both mother and daughter. Pretty for parties, practical for every day. Vary with blouses, trim with embroidery. Made easily!

Pattern 9365 comes in sizes 1, 2, 3, 4, 5. Size 2, jumper, 7/8 yd. 39-inch; blouse, 3/4 yd. 35-inch.

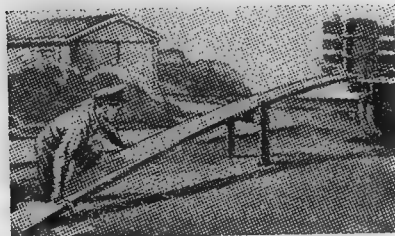
Print plainly PATTERN NUMBER, your NAME and ADDRESS.



# Handy Devices

By Courtesy Popular Mechanics Magazine

## HEAVY OBJECTS EASILY LIFTED TO TRUCK



FARMERS, dairymen and others whose work necessitates lifting heavy objects onto trucks can avoid much of the strain of this work by using a lever arrangement like the one shown. The device consists of a plank of suitable length and thickness pivoted across a frame, and a crank-shaped stop located near one end for holding the plank in the raised position. The pivot frame can be merely a short length of wood nailed to two stakes driven into the ground. In use, the crank stop is turned to permit the plank to be tilted forward so that the object to be loaded can be set on the end, which is provided with cleats to hold it. Then the plank is tilted up by pressing on the other end and secured by turning the crank over it. If desired, a truck now can be backed in and the load rolled onto it.

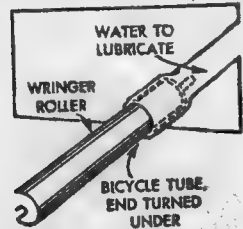
## TIGHT SCREWS EASILY REMOVED

A well known method of removing wood or machine screws that have corroded is to heat their heads so that the expansion and contraction of the metal will loosen them sufficiently for removal with a screw driver. The method of applying heat, which often is a problem, can be solved easily by using a soldering iron. The iron is applied to the screw as hot as possible. If much of this work is to be done, the butt end of a steel drill may be inserted in the end of an old soldering iron.



## BICYCLE TUBE REPAIRS WRINGER

WRINGER rolls that have become soft, gummy or excessively pitted can be covered for temporary use with a section cut from a bicycle inner tube. One end of the tube is turned under, as shown, and stretched over the end of the roller. Water is applied to the tube so that it can be pulled over the wringer roll. Then the ends of the tube are trimmed.

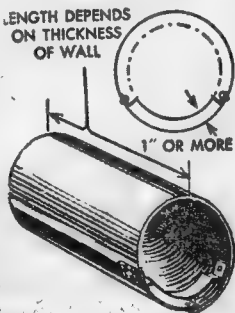


WHEN drawers are difficult to open and close because they stick, the tight place can be located quickly by placing sheets of carbon paper over the most likely location, then opening and closing the drawer several times. When the carbon paper is removed, it

leaves a mark on the wood wherever the drawer is tight, and the excess wood can be planed off. The same method is also handy when doors and windows stick.

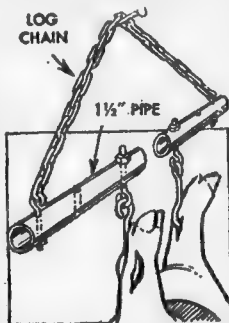
## WALL THIMBLE FOR STOVE PIPE

IF you are unable to purchase a thimble to protect a wall where a stovepipe runs through it, one can be made by bending a piece of sheet metal to shape and bolting or riveting it together at the joint, or you can use a piece of large stove or furnace pipe. The length of the thimble depends on the thickness of the wall, and its diameter should be at least 2 in. larger than that of the stovepipe. Two strips of metal formed to support the pipe are bolted or riveted in place as indicated.

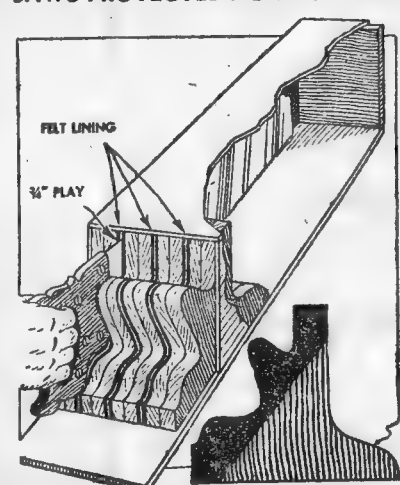


## GAMBREL HOOKS ADJUSTABLE

INSTEAD of having several gambrels of different lengths for suspending animal carcasses of various sizes, a butcher uses this adjustable one. A 5-foot length of 1½-in. iron pipe is drilled at suitable intervals to take 5/8-in. eyebolts on which hooks are hung for suspending a carcass. The pipe is held by a chain as shown, the eyebolts being spaced as required for either large or small animals.



## SAWS PROTECTED AGAINST RUST



SAWS can be protected from moisture and rusting when not in use by storing them in a sheath like this one. It is a wooden box with one end fitted with pieces of ¾-in. stock cut to conform to the saw handles and lined with oiled felt, shown in black in the detail. Six such cutout pieces are needed to hold three saws. Before assembling the endpieces, which are glued and screwed to top and bottom of the box, they should be shellacked or sized to be impervious to oil. Note that ¾-in. play is allowed in height of the box so that saws can be lifted slightly for inserting or removing.



## WILL YOU *Purr* ABOUT THE 9th, TOO...?

FOR this Blue Persian—as for every member of the feline family—the traditional ninth life is just as much a matter for purring as any gone before.

Investment-wise Canadians feel just the same about the 9th Victory Loan...they are just as keen about the investment value of Victory Bonds as they ever were. With each new loan, they realize—these thoughtful Canadians—that they have made about the finest investment in the world.

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Bonds are *double-duty dollars*... they work for you, the investor—and for your country in her reconversion from war to peace—bringing home our fighting men, taking care of the wounded, aiding in their rehabilitation plans. These dollars are an investment in Victory itself.

Make the most of this ninth opportunity... make your dollars work for you and for your Canada. Draw on your savings account—on your future earnings... SIGN YOUR NAME FOR VICTORY BONDS—TODAY.

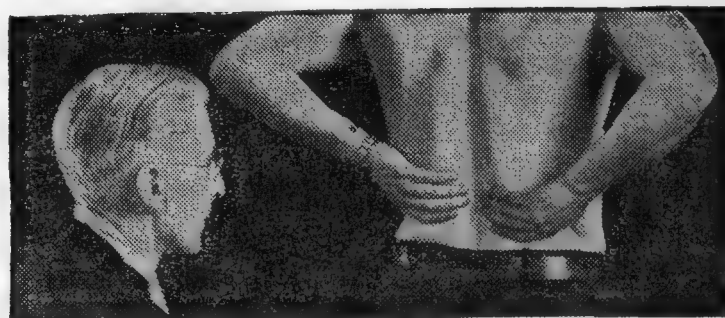
## BANK OF MONTREAL



DO YOU NEED FINANCIAL ASSISTANCE TO BUY BONDS?... With a small down-payment, you can easily arrange to purchase your bonds through our Time-Loan Plan, and pay the balance in easy monthly instalments over the next year.

KEEP YOUR BONDS SAFE!... Your Victory Bonds are as valuable as cash. For 10c. per \$100 per year (minimum charge 25c.) we will place your bonds in our vaults for safekeeping, clip the coupons and credit you with the proceeds.

AD40



## BACKACHE The Plague of Outdoor Men

The outdoor man, whether he be farmer, truck driver, or railway operator, is often subject to backache. This may be the result of exposure to cold and dampness or the result of strain from the jolting and bumping of the vehicle he rides.

To many people, women as well as men, it would be great to be free of backache—one of the most common and annoying of ailments. And here is how you may be relieved of backache and other symptoms of poisons in the blood.

The treatment suggested is Dr. Chase's Kidney Liver Pills. By reason of their stimulating action on both the liver and kidneys, you have two chances to one of getting relief from your backache by using Dr. Chase's Pills. The torpid liver is aroused to action, the kidneys are stimulated and consequently these organs help to purify the blood of the poisonous impurities which bring pains and aches and tired feelings.

Keep regular and keep well by using Dr. Chase's Kidney Liver Pills. 35c. a box.

**Dr. Chase's Kidney Liver Pills**



## Light Horse Fanciers Stage Fine Fall Show

**I**DEAL weather contributed to the success of the splendid show staged at the Polo Grounds, Calgary, the last two days of September by the Alberta Light Horse Association. Good crowds from the city and the surrounding area attended on both Saturday and Sunday, classes were well filled and a good assortment of events keenly contested. So successful was the show that it is hoped to continue it as a regular outdoor fall event with the addition of a similar one held in the spring.

Particularly gratifying to lovers of the light horse is the interest that has been developed among younger members of the association. Meetings are held regularly throughout the year, featured by lectures and demonstrations by well-known horsemen; boys and girls are carefully coached and their keen interest contributes greatly to the success of the association in popularizing the saddle horse. Major J. H. Gainor is president of the Alberta Light Horse Association and Fred Kennedy secretary.

Huntsman, owned by A. H. Mayland, of Calgary, well-known rancher and packing-plant operator, and ridden by Bernard Willans, of Calgary, was the only horse to register a clear performance in the \$100 added jumping stakes. This was a very difficult course and all but Huntsman came to grief on some portion of it. Second place in the stake went to Duke, ridden by Bernard Willans and owned by Francis Northcott, of Calgary.

The open jump went to Ditto, owned by F. M. Holden, of Midnapore, and ridden by 16-year-old Donna Johnson, of Cochrane.

Why Not, owned and ridden by Mrs. Joan Hawes, of Pirmez Creek, won the open saddle horse class. Unfortunately Mrs. Hawes, who is the younger daughter of Clem Gardner, well-known rancher, suffered a fractured ankle in a subsequent jumping event.

• • •

## Hunter Hereford Sale Successful

**S**ALE of 88 registered Herefords by Hunter Bros., Macleod, Alberta, October 9, included several of Real Prince Domino breeding. Top price of the sale, \$1020, was paid by Wm. Moore, Crossfield, Alta., for Real Prince Domino 47th, while Real Prince Domino 42nd, another yearling bull, brought \$800. Top price for yearling heifers was \$1000 for Miss Real Prince Domino 42nd. Among the 51 calves, Real Prince Aster 9th brought \$500 and Miss Real Prince Domino 64th, \$440; the lowest price for one calf was \$110. Only one yearling bull and two yearling heifers went below \$200. Of the six cows of breeding age, top money was \$610 for a Real Prince Domino individual. The sale was attended by prominent Hereford breeders from Alberta, Saskatchewan and Montana.

• • •

## SUCCESSFUL SALE

The annual community sale at Caden, Alta., disposed of 469 cattle for a total of \$36,000. Steer prices ranged from \$8.50 to \$10.80; one carload of canners and cutters sold for \$5.60.



## ON OUR DOORSTEP

We asked for Victory . . . regardless of cost.

We asked that our fighting men be given a good start in civilian life.

We asked that our sick and wounded be given the best possible care.

We asked that the families of those who gave their lives be well provided for.

We asked that the best of everything be given those who sacrificed most to make Victory possible.

**NOW-- it's up to us, every last one of us, to see they get it!**

## BUY VICTORY BONDS

The Canada Life Assurance Company



**MISSING  
PAGE(S)**



## Sheep, Swine Breeders Meet

ALBERTA Swine Breeders' and Sheep Breeders' Associations held their annual meetings October 23 and 24 during the fall shows and sales at Calgary.

THE SWINE BREEDERS passed a resolution urging more research on inbreeding to develop better strains. Directors elected were Wm. Hudson, Kathryn, President; A. C. B. Grenville, Morrin, 1st vice-president; P. J. Rock, Drumheller, 2nd vice-president; T. Gibson, Rumsey; C. W. Lang, Okotoks; W. A. Greenway, Acme; A. Hildenbrand, Vauxhall; J. M. Henderson, Red Deer; W. Frelan Wilford, Stavely; R. N. Ralph, Stavely; Wm. McKendrick, Calgary; and G. Andrew, Airdrie. J. Charles Yule was re-elected secretary.

THE SHEEP BREEDERS warmly supported the Dominion and Provincial wool bonus, the Provincial coyote bounty, the Meat Board's support of sheep and lamb market prices at one cent under the ceiling and the Dominion freight assistance on feeder lambs. Members expressed appreciation of American buyers' increasing purchases of breeding stock in Canada—they bought nearly 23,000 head in 1944.

Directors for 1945-46: A. Hildenbrand, Vauxhall, president; Philip Rock, Drumheller, 1st vice-president; A. C. B. Grenville, Morrin, 2nd vice-president; C. W. Fowler, Airdrie; Tom Hudson, Kathryn; Dave Lewis, Vulcan; B. H. A. McDonald, Champion; P. J. Rock, Drumheller; D. H. Russel, Carmangay; W. Frelan Wilford, Stavely; J. Wilson, Jr., Innisfail; R. N. Ralph, Stavely; J. Stephen, Lacombe. J. Charles Yule was re-elected secretary.

## Many Farms Improved With Federal Loans

D. M. McRAE, Administrator of the Farm Improvement Loans Act, recently announced that the first million dollars in loans has been made by the chartered banks to farmers under this new Dominion legislation.

Loans for water supply dug-outs in Alberta, pre-fabricated houses in Saskatchewan, and tobacco kilns in Ontario, are illustrative of the wide variety of uses which farmers are making of this Act.

## GOOD RAM SALE

Good range rams of Hampshire, Suffolk, Romnolet and Corriedale breeding brought satisfactory prices at the British Columbia Sheep Breeders' Association annual ram sale at Kamloops. The top price of the 94 rams was \$170, paid by Heron Bros., Kamloops, to Irene Talbot, Westwold, for the second price Suffolk.

## EXPORT DAIRY COWS

Canada's exports of dairy cattle to the United States are holding well above 1944 figures. Up to September 20th, 35,245 head had been exported, compared with 25,880 head in 1944. A new development this year has been the export of sheep, of which we have sent 92,177 this year so far.

"How the deuce," asked the officer on the rifle range, "have you got those four straight bull's-eyes? Your range is six hundred yards, but your sight is set at three hundred."

Said the recruit: "See that little rock halfway along? Well, I'm bouncing 'em off that!"

## IMPORTANT DATES ON THE CALENDAR

- Nov. 5 - 8 — Alberta Live Fox and Mink Show, Edmonton.
- Nov. 6 - 9 — Edmonton Fall Livestock Show and Sales.
- Nov. 9 — Purebred Bull and Female Cattle Sale, Camrose, Alta.
- Nov. 14 - 16 — Alberta School Trustees' Convention, Edmonton.
- Nov. 18 - 23 — National Boys' and Girls' Club Contests, Toronto.
- Nov. 28 — East Central Irrigation District convention, Hanna, Alta.
- Dec. 4 - 6 — Kamloops Annual Winter Stock Show and Sale.
- Jan. 8 - 11 — U.F.A. and U.F.W.A. Annual Convention, Calgary.

## "Slum" Conditions In Henhouse Costly

OVERCROWDING of poultry is the source of many evils. Chilled, damp and ill at ease, poultry obliged to pass the winter in a congested, poorly ventilated henhouse soon lost their resistance to disease. In their weakened condition, they are increasingly prone to be attacked by parasites.

When weak, they will probably go hungry. In an overcrowded henhouse there is rarely enough space for every bird at the mash hopper where only the hardiest can find room for their beaks. Consequently, feather picking and even cannibalism become more prevalent.

Yet even the worst laying house can be improved by the admission of more sunlight and by better ventilation and insulation. For every 50 hens, there should be at least 10 feet of feed hoppers.

To be comfortable and healthy, each bird requires from 3½ to 4 square feet of floor space, which should be planned for before winter begins. If the present laying house is not large enough to allow this space for each bird, hen winter fewer birds. Cull out the weaklings and retain only the healthy layers. They make money and they make more when they are housed comfortably.

## Recall Ancient "Cures" For Sick Animals

WHEN one reads of the queer superstitious remedies prescribed for ailing livestock in days gone by, the great advance of modern scientific research and veterinary skill is all the more appreciated.

One cure for a "haunted" horse was "take the left-hand glove of a woman afflicted with rheumatism in the right arm, steep the glove in fresh water, and allow the animal to drink thereof." Another interesting cure for a horse with a sprained leg was "Take a stone from under a waterspout, put the horse's leg upon the stone and say 'I place myself upon a hard stone, I have an ailment of my leg bone which causes me much pain. Be this pain black or white, grey or red, in less than three days it shall be dead'."

The appointment of Dr. W. F. Hanna has been announced as officer in charge of the Dominion Laboratory of Plant Pathology, Winnipeg, succeeding Dr. J. H. Craigie, now Dominion Botanist, Ottawa. This laboratory is the plant disease section of the world-famed Dominion Rust Research Laboratory at Winnipeg.

## Egg Size Increases Through Fall Months

PULLET egg size is something that many poultrymen worry about, and yet at this time of year it is something which they can do very little about. It should be remembered that in any flock during the first six or eight weeks after housing, new birds are constantly coming into production. These birds naturally lay smaller eggs, but in the flock as a whole the average size of the eggs increases.

There is an increase in egg size in the average pullet flock until well into February when, under most conditions, the maximum egg size is reached. The rate of egg size increase is largely a matter of inheritance, and, therefore, has been determined already when you buy your chicks. Of course, well matured, healthy pullets are more likely to increase in egg size than poorly developed, immature stock.

If the ration which is being fed is complete, little else can be done to increase egg size. As far as is known, there are no special ingredients or compounds which can be fed that will increase the size of eggs.

During three years from March, 1942, to March, 1945, Canada exported a total of 20,968,000 lbs. of fibre flax to Great Britain under contract, having a total value of \$4,857,000, and has also exported 1,323,000 lbs. to the U.S. with a value of \$560,745.

## ERMINE IS WEASEL

On a yearly average more than three-quarters of a million weasel skins are sold at fur auction sales in Canada. They are bought by fur manufacturers to trim many a well-dressed woman's coat. They are caught in every province, with Saskatchewan in first place. In 1944, out of a total of 800,000 sold, about 255,000 came from Saskatchewan. Alberta contributed 180,470 and Ontario 143,000. The average price per skin last year was \$1.65, compared with 48 cents 10 years ago. The fur of weasel is sold under the trade name of ermine.

## Trappers Attention!

FOR FUR MARKET REPORTS

LISTEN TO  
**Pinto Pete**  
CFCN  
1010 K.C.

WEDNESDAYS  
7.00 P.M.

Sponsored by  
**Dominion Fur Auction Sales**

# TIMBER

Canada's woods are calling  
for MEN—AND MORE MEN!

**8,000 JOBS**  
Are available immediately  
in the Prairie Region

You may be assured of a healthy outdoor life—group activity, and steady employment, with an opportunity to save money at maximum wages.

For Full Information  
Apply to your  
**NATIONAL EMPLOYMENT OFFICE**  
or  
**Provincial Agricultural Representative**

**DEPARTMENT OF LABOUR**  
HUMPHREY MITCHELL  
Minister of Labour  
A. MacNAMARA  
Deputy Minister

A.P.M.S.A-70-E

## THE WARTIME PRICES AND TRADE BOARD

## FARMERS' BULLETIN

## FARM MACHINERY OFF RATION LIST

All rationing controls have been removed from sales of farm machinery, and restrictions on the production or importation of such machinery have been lifted.

Price controls remain. Generally, maximum price for farm implements is the price at which such items sold during the basic period, August 15—September 11, 1941. Quoted prices do not include cost of delivery to the purchaser.

Under Consumers' Credit Order No. 225, section 10, terms of sale for farm machinery are: 1/3 of quoted price paid in cash; the balance of the credit price to be paid within two years of the date of the contract in stated amounts at specified dates. Any allowance for a trade-in is to be deducted from the unpaid balance.

Despite the lifting of production restrictions, it is expected that the shortage of components such as malleable castings and sheet steel will limit the maximum output of farm implements during the year July 1, 1945, to June 30, 1946, to a 24% increase (on tonnage basis) over the output in the preceding 12 months.

## Farmers' Poultry Prices

Farmers selling all types of poultry, except turkeys, direct to consumers are permitted a 25% markup over the wholesale ceiling prices established for the zone in which they are located. Turkey producers are allowed a 20% markup over the wholesale level.

## Potato Storage Allowance

(Order A-1560 now in effect)

A storage allowance of 5c per 75-lb. bag of potatoes and 7c per 100-lb. bag is allowed on November 1. Another 5c per 75-lb. bag and 6c per 100-lb. bag may be added on December 1, and another 5c per 75-lb. bag and 7c per 100-lb. bag on January 1, 1946. There will be no storage adjustment for February but monthly increases will be resumed on March 1.

## FARMERS' RATION COUPONS

Coupons covering farmer sales or farm household consumption of meat and butter, and sales of preserves must be forwarded to Local Ration Boards in primary producers' envelopes (RB-61). Reports for November should reach the Local Ration Boards not later than December 10.

Following are the valid coupon dates for November:

		MEAT	BUTTER	SUGAR	PRESERVES
November	1.....	M 9	128	..	..
"	8.....	M 10	..	..	..
"	15.....	M 11	129	66, 67	P 20, 21
"	22.....	M 12	130	..	..
"	29.....	M 13	131	..	..

Farmers are required to send in "M" coupons to the Local Ration Board for meat they consume; and meat they sell to farmer neighbours at the rate of 4 lbs. per coupon. Farmers who slaughter meat need not turn in at the end of the month more than half the valid meat coupons in the ration books of their household. Farmers who purchase meat from other farmers must surrender to the selling farmer one meat coupon for every 4 lbs. of meat purchased, even if this means surrendering coupons not yet valid.

## FARM SLAUGHTERERS

Farmers who slaughter for their own household consumption or for the consumption of their farmer neighbours, are not required to hold a slaughter permit. Any excess of farm slaughtered meat over the farmer's or his neighbour's needs may be sold only to the holder of a regular slaughter permit in quantities not less than a quarter of Beef or a side of Pork. Sheep, lamb or calves slaughtered by the farmer for his own or his neighbours' use may not be sold into the meat trade.

Licensed slaughterer's quotas for cattle have been temporarily suspended and until further notice a licensed slaughterer may slaughter all the cattle needed for his requirements.

**Rationing** is your assurance of a fair share.  
is a protection against waste... shortages... inflation;  
That is why farmers are asked to continue to collect and turn in coupons to their Local Ration Boards—once a month—in the RB-61 envelope.

For further information apply to the nearest office of the Wartime Prices and Trade Board.

45-8



## News Items Of Interest

THREE provincial governments were returned to power with large majorities as the result of elections held last month. The coalition administration of Premier Stuart Garson, of Manitoba, will have a relatively small C.C.F. opposition; the same is true of the coalition government of Premier John Hart in British Columbia, and in the 30-member Nova Scotia House only two C.C.F. members will oppose Premier Angus Macdonald's Liberal government. Messrs. Garson and Macdonald are regarded as outstanding among Canada's younger leaders in public life while veteran Premier Hart holds an enviable record in B.C. political affairs.

Dr. E. H. Boomer, 45, chairman of the Alberta Gas Conservation Board and one of Canada's foremost chemical scientists, died following a heart attack at his home in Edmonton on October 27.

The R.C.A.F. will continue to operate the Northwest staging route, the aerial highway to Alaska, over which thousands of planes and thousands of tons of supplies for Russia and for the defence of North America were flown during the war. Airfields and flight strips will be maintained at Grande Prairie, Betton River, Fort St. John, Fort Nelson, Smith River, Watson Lake, Teslin, Whitehorse, Aishik and Snag. The Canadian army also will take over operation of the Alaska Highway on April 1, 1946.

The Duke of Windsor returned to Paris after a week's visit, early in October, with his mother and his brother the King. The Duchess did not accompany him to London.

Brig. W. S. Ziegler, C.B.E., D.S.O., E.D., of Edmonton, has been appointed military governor of one of the British occupied districts of Germany.

Major Fred A. Bagley, 87, one of the original members of the Northwest Mounted Police who came west in the early days of the force, died at his home in Banff, where he had lived for several years since his retirement.

Elections in France resulted in the return of a strongly leftist assembly. Gen. Charles de Gaulle will continue as head of the provisional government and a new constitution for the republic will be drafted.

A royal commission or a committee of the House of Commons will study the condition of the Indians of Canada. It will decide whether Indians should be eligible for old-age pensions.

The Central Alberta Dairy Pool condensery at Red Deer has received a contract from the dairy products board at Ottawa for 100 carloads of especially made evaporated milk of a high percentage of cream (9 per cent butterfat). The first shipments will be made to India and others will go to the Middle East and Europe.

Some 10,000 farmer members of the Central Alberta Dairy Pool will benefit as a result of this large order. The big dairy co-operative operates creameries at Alix, Bentley, Eckville, Delburne, Elmore, Ponoka, Olds, Edberg, Stettler, Coronation and Red Deer.

## Irrigation Successful In Drumheller Area

IRRIGATED alfalfa has been grown in test plots near Drumheller to show that the land along the Red Deer River is sufficiently fertile to supply the alfalfa needs of the Drumheller district. The 1945 experiment, on a small scale, was very encouraging and next year the Dominion irrigation branch will conduct much more extensive tests.

An irrigation project in this big valley, watered by the Red Deer River, is being urged on the Dominion prairie farm rehabilitation branch by the Drumheller and district Board of Trade. Not only will alfalfa be a big crop under irrigation, but the climate is suitable also for vegetable seed growing and for raising many kinds of fruits.

## OLD BONES DANGEROUS

Veterinary authorities suggest that cattle owners may save themselves possible losses by clearing up old bones which sometimes are left lying around pastures and livestock lots. It is pointed out that, while fatal cases of botulinus poisoning may be caused by cattle eating from a moldy haystack, the disease is usually caused by nutritionally-deficient cows chewing old bones left lying about the farm. Symptoms of botulinus poisoning include first of all stiffness of the hind quarters, then of the forelegs, followed by difficulty in breathing, and finally paralysis.

## Hutterites Moving

THE Milford Hutterite colony south of Raymond has purchased 10,000 acres of land near Great Falls, Montana, to establish a branch of the colony in that state. Under provincial law the Hutterite Brethren cannot buy additional land in Alberta, and they are said to be looking to United States.

The Milford colony bought the Ray Knight ranch, and is now one of the largest in the province. The Pelger colony, near Lethbridge, has also bought Montana lands near Lewiston beside another Hutterite colony.

The Hutterites migrated from South Dakota to Western Canada after the first world war. There is now a likelihood that they are looking again to United States.

A COMMUNITY sale of purebred beef cattle, November 9, has been organized at Camrose, Alta., for the first time this year. Total entries are 82, consisting of 12 Aberdeen-Angus, 39 Herefords and 31 Shorthorns.

Solon E. Low, national Social Credit leader, who has a Jersey herd at Cardston, Alta., has purchased a yearling bull from R. G. May, Calgary. The bull, Sun Dance Flyer's Yogi, was sired by Frasea Le Rondin Flyer, grandson of one of Canada's famous imported Jersey bulls, and his dam is Sun Dance Molly's Poppy, holder of the highest production record ever made by a senior four-year-old in Canada up to December 31, 1944.

## Swine Production Is Big Business

The sale of hogs in Alberta during the past five years produced a gross cash revenue of \$250,000,000, states George S. Black, provincial livestock supervisor. This is a net revenue to the farmer of from \$5 to \$10 a hog, Mr. Black says, which amounts to ten to fourteen million dollars a year. Twenty bushels of barley or its equivalent fed to each hog returns at least \$1.06 per bushel.

Mr. Black further points out that a return to wheat growing to the neglect of livestock production might in the future turn out to be disastrous. No other agricultural product can be produced so rapidly in so many countries as grain. A balanced agriculture for Alberta means both wheat and hogs.

Trade Minister MacKinnon has announced that the Government has taken steps to prevent foreign speculators from buying Canadian wheat at one price and selling it at a higher one.

In order to prevent plant disease entering Canada, all plants brought into the Dominion are inspected by the Plant Protection Division, Dominion Department of Agriculture. As showing how thoroughly the work is done, on one occasion 9 passengers on an inspected boat were found to be carrying plants or plant products in their luggage.

# A Bank's Faith in Victory Bonds



THIS BANK will lend you money to buy Victory Bonds on easy terms . . . 5% down . . . the balance repayable over 12 months . . . at the same interest rate as you receive on the Bonds.

THE Canadian Bank of Commerce has such strong faith in Victory Bonds as to recommend them unreservedly as a safe investment for savings.

Victory Bonds have all the advantages of a Savings Bank Account:

Security for your money

A steady interest yield

Readily convertible into cash

YOU CAN SAFELY INVEST YOUR SAVINGS IN THE 9th VICTORY LOAN.

# THE CANADIAN BANK OF COMMERCE



TAKE

CHOPPERS  
TEAMSTERS  
CAMP BUILDERS  
TRUCK &  
TRACTOR DRIVERS  
BLACKSMITHS  
COOKS &  
OTHERS

**JOBS**  
*in the WOODS this winter  
CUTTING PULPWOOD.....*

There is a wide choice of good jobs on the woods operations of the pulp and paper industry. Returned men and war workers! Hang on to your savings and take a job in the woods this winter. Men with experience will find their job waiting for them. Foremen or special instructors will help newcomers to learn the work. You'll find good food, good pay, good camps and good opportunities in the woods.

Farmers and Farm Workers can make good in-between-season money. Get yourself a job in the

**GOOD FOOD  
GOOD PAY • GOOD CAMPS  
GOOD OPPORTUNITIES**

woods this winter. In some places there is also work for your horses. Make inquiry.

**APPLY NOW TO —**

Your nearest National Employment Office;

or

Your provincial agricultural representative or fieldman,  
Or a local Farm Production Committee if there is one in  
your district;

or

SIGN UP with any canvasser representing a pulp and paper company and authorized by the National Employment Service. The best thing to do is to go back to the company you worked for before.

*Approved: A. MacNAMARA, Deputy Minister of Labour.*

**THE PULP AND PAPER INDUSTRY OF CANADA**



# The Farm and Ranch HOUSEWIFE

DEVOTED TO THE INTERESTS OF THE RURAL WOMEN OF WESTERN CANADA

## STAR DUST IN HER EYES

LILY'S fingers went flying over the keyboard of her typewriter, making alphabetical rhythm of the last page of the detailed synopsis of "The Rouged Lady".

The new novel, still in galley sheets, had been suggested as a "natural" for Barbara Benton. Dick Rowell, who directed all of Benton's pictures, was plenty worried over the way she had been slipping this past year, and had asked that the story department concentrate on finding a good vehicle for her.

"The Rouged Lady" looked as though it might turn the trick. A reader had sat up half the night reading and synopsisizing the novel. And now, divided among five typists, the synopsis pages were being rushed through.

"Hurry it up, Lily," called Miss Cook, head to the script department. "Mr. Rowell is on his way over to pick up the synopsis."

"Yes, coming," answered Lily, as her fingers continued to fly over the keyboard like little white birds. In her subconscious mind, she was picturing herself as the star of "The Rouged Lady." Some day her chance in pictures would come, she knew.

The great Mr. Rowell, very tweedy today, came in, conferred with Miss Cook, and then strolled over to Lily's desk to wait for her to finish the page. "Very lovely," Lily heard him say.

### Dishpan Philosopher

WELL, let the chips fall where they may, there's one thing I am bound to say: We women when the vote was won did wrong to count the struggle done. The vote should just have been a start to taking on a full-sized part in all the matters that relate to navigating ships of state. It's not enough to counsel men on what they ought to do—and when. Women should be in half the seats of every parliament that meets, to give the woman's view direct, and what they don't approve reject. Our equal rights are still remote if we're contented just to vote.

To put more women in the place where in reform they'll set the pace is up to us beyond a doubt—the Clinging Vine type's clearly out. And lay the ills we've failed to halt not to misfortune but to fault.

Glancing up, she saw he had been watching her at work.

Her face flushed. She was still thinking of the compliment as she hurried through a sandwich and chocolate malted and then rushed over to have a manicure at Sadie's Beauty Shop, on the edge of the studio lot.

Lily was very proud of her hands and spent a great deal of time on them. Paul said they were the most beautiful hands he had ever seen.

When Lily got back to the studio after lunch, Miss Cook called her over.

"I have just received a memo from Mr. Rowell," said Miss Cook. "He thinks he can use you tomorrow for some extra scenes he is shooting on 'The Phantom Lover.' You are to report to Makeup Department at 9 a.m. But don't get too excited, my child. You know, Mr. Rowell is as temperamental a director as we have on the lot. However, good luck."

THE hours until evening dragged for Lily. She could hardly wait to see the look on Paul's face when she told him. He had always hooted a little over her screen aspirations. He didn't want any movie star in the family, he said. What he wanted was to make enough money at the service station so that Lily could be Mrs. Paul Graham exclusively, and not have to slave as a typist in the National Film Studio.

Paul was surprised, but as Lily feared, he was not at all pleased with his young wife's good news.

"Listen, Lily, I don't like that Rowell guy. I've seen him plenty

when he drives in for gas, and I didn't like his type or the kind of friends he has. I don't want you working for him, do you hear? Just make some excuse at the studio tomorrow and get out of it."

"Get out of it!" Lily's eyes were dangerous pin-points of anger. "Listen here, Paul Graham, this is just the chance I have been looking for since the first time I went into a play at Hollywood High School. This is my big opportunity, and neither you nor anyone else is going to interfere, do you hear?"

From that point the quarrel enlarged to violent dimensions and Paul went to spend the night on the cot in his workshop over the garage. Lily began to feel a little lonely as she got ready for bed. They had never been separated one night since they were married.

Then her chin went up defiantly. Paul would relent when she made good.

THE alarm awakened Lily early the next morning. She was too excited to eat any breakfast, but she did stop in the kitchen for a glass of milk. All the big stars, she knew, regarded milk as an important beauty aid.

Paul was already there, fixing coffee and toast. He looked glum, but made an attempt to snap out of it.

"Listen, Lily, honey, I'm sorry about last night; I guess that I'm just a jealous fool."

Ignoring his pleading voice, Lily flounced out of the house. This was a very special day in her life. The Melrose bus wasn't good enough for her today; she'd take a cab.

She had almost forgotten the unpleasantness by the time she reached the studio. She went right over to the Makeup Department.

Lily's heart felt as though it was going to burst with joy as she stepped into the little booth to be made up. From then on, Lily experienced many emotions, most of them unexpected.

When Lily reached the apartment that night it was dark. A foreboding

came over her. Besides, she was very tired. Paul always reached home ahead of her.

Maybe he was fed up by last night's quarrel, and had left her. She was near tears when she opened the door and started turning on lights.

HER arrogant mood of the morning was gone. If she had lost Paul's love, she didn't know what she would do. That meant more to her than anything else in the world—even a movie career.

She started fixing dinner. A tear coursed down her cheek.

At 7:30 Paul came in, very tired and grimy. "Would have phoned you, but I was very busy," he said briefly. "How did things go for you. Say, you haven't been crying?"

"Listen, Paul Graham, you go and take your shower, and I'll warm up the dinner. Then I'm going to tell you what a little idiot your wife has been. If you want to leave me, I won't blame you a bit. But I have to tell you before I can eat a bite of food."

Paul still looked mystified when, shining from the shower and with a woolly blue bathrobe wrapped around him, he joined Lily in the breakfast nook. "O.K. Let's have it. I'm starved."

"Paul—look at me. I was going to be the big star. I even squandered our money riding to work in a cab this morning. Already starting to be the ritzy actress. But do you know what Rowell wanted me for? Oh, not my face. He probably doesn't even know what I look like. He needed a good looking pair of hands to photograph for a scene showing La Benton opening a letter. You know what stubby fingers she has. So they used mine! Paul, haven't I been ridiculous?"

Paul leaped up from his place in the nook and came over to Lily. "Darling, that's wonderful." He was crushing her in his arms. "I was so afraid you would get a chance in pictures and get tired of being married to an ordin-

(Continued on page 30)

## GOOD NEWS

FOR ALL WHO SUFFER FROM STUFFY CATARRH—

## SINUS PAIN!



IT'S GRAND how a few drops of Vicks Va-tro-nol in each nostril go to work instantly... right in the sinus area... to bring relief from pain. Va-tro-nol is so effective... results are so good... because it is specialized medication that reduces swollen membranes, soothes irritation and helps clear away congestion... thus giving sinuses a chance to drain. No wonder many sinus sufferers say it's the best relief they've found! Gives grand relief from catarrhal stuffiness, too! Try it!

## VICKS VA-TRO-NOL

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## WOMEN GIRLS!

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Send 10c for 10 days' trial and descriptive literature.

MRS. LYDIA W. LADD  
Box 191, Windsor, Ont., Dept. 4B

## Aunt Sal Suggests:

When visiting at others' homes,  
And others' methods see;  
You're bound to learn some  
handy hints,  
To help you wonderfully.

THERE isn't a housewife living... we verily believe... who doesn't observe the clotheslines in other women's back yards... there are so many fine tricks to hanging out a washing to good advantage... for instance some women don't let the sunlight work "with them". Bright prairie sunshine does make white clothes whiter... so expose all white clothes to the direct sun rays. However, so many colored things just can't

"take it" when it comes to strong sunlight, so it's the shady side for them... or have you tried turning dresses and other garments inside out?

... When washing that precious tufted bedspread be sure to hang it on the line with the tufts rubbing against each other... keeps them fluffy you know...

To add an easy but effective touch to the birthday party table add appropriate gummed seals that say "birthday greetings", etc., to plain white crepe paper serviettes. Another cute little idea for the festive table is to place circles of colored crepe or tissue paper under the lace doilies...

If you want to do a bit of experimenting then try French frying parsley... Likely many of you grow this versatile winter garnish right in your kitchen windows... well, crisp a few branches of it and toss into the deep fat after frying potatoes... it adds a nice zip to fish and fries...

... With all good luggage still pretty much on the "just-try-to-get-it" class, anyone owning a good old trunk should treat it with the respect due a rich bachelor uncle. If your trunk has become rusted and scarred give it a vigorous rubbing with kerosene then apply a coat of quick-drying black enamel. It's then ready to travel with the best of them...

... Cornmeal has been advised as a cleansing agent for furs and carpets for many years and now it has taken on another job, namely cleaning curtains. We are advised to place 3 cups of cornmeal and 5 tablespoonsful of borax in a large paper bag... insert one lace curtain at a time and shake... shake... shake!

... Did you like working equations in your school days? Well here are some that can still be worked out in your daily home living. Wise eating plus plenty of sleep and exercise equals good health. Good health equals pep and energy. And we all know that with plenty of pep and energy we can just about handle any problem that crosses our path... can't we, neighbors?...

### Useful Hints on Care House Plants

IN the care of house plants in the winter time, the chief points to consider are atmosphere, heat, drainage, drafts, and the varying effects of sunlight on the different plants. A dry atmosphere is to be avoided because it not only stunts the plants but helps to increase certain insect pests, such as red spider and thrips. Moisture in the air around the plants may be increased by standing the pots in shallow trays filled with pebbles, gravel, or moss and keeping them moist. Normal moisture is also dependent on good drainage. This can best be arranged by using soil in the pot that will allow both air and water to pass through easily. A mixture of two parts good garden loam soil, one part rotted manure, and one part sand will generally fulfil the soil requirements of potted plants. To prevent the surface of the soil from caking and

thus prevent the access of air, stir the surface gently from time to time. Further drainage may be obtained by placing pebbles or small stones or broken parts of an old pot at the bottom of the pot, so as to help draw off excess water.

The placing of the plants to their best advantage calls for some consideration. All plants will not flourish anywhere, and care should be taken to put the plant where it will not stand in a draft. Concerning sunlight, different plants apparently have different preferences. For example, ferns should not be placed in direct sunlight but where there is an abundance of light all round. On the other hand, flowering plants as a rule require all the sunlight they can get, particularly in winter time. Foliage plants can thrive all right in dim light but in winter time they should be placed in direct sunlight.

However, the great secret of having fresh-looking plants in the home in winter is to avoid the over-heating of rooms. It is a good plan to commence the winter care of the plants as soon as the heat is turned on in the fall. More house plants have been killed by heat than by cold. Plants should never be placed too near radiators. The ideal temperature for house plants is about 65 degrees, or better still from 60 to 65 degrees F., three degrees less than the recommended house temperature from the health point of view. If one desires to have the plants in the living rooms, the best thing to do is to keep the rooms as cool as possible consistent with personal comfort. Many, or large plants should not be kept in bedrooms, particularly at night, or for preference none at all in winter when all the windows are closed.

## Here's a SENSIBLE way to relieve Distress of 'periodic' FEMALE WEAKNESS

with its nervous tension  
weak, tired cranky feelings

● Have you at such times noticed yourself feeling nervous, "dragged out," irritable, a bit blue—due to functional periodic disturbances?

Then don't delay, try Lydia E. Pinkham's Vegetable Compound to relieve such symptoms. Pinkham's Compound is one of the most effective medicines for this purpose.

Pinkham's Compound is what is known as a *uterine sedative* because it has a soothing effect on one of woman's most important organs.



Pinkham's Compound is made from wholesome roots and herbs (plus Vitamin B<sub>1</sub>). Here's a medicine that HELPS NATURE. Just see if you're not delighted with results! Follow label directions.

Lydia E. Pinkham's VEGETABLE COMPOUND

## Why Don't You Try ALPENKRÄUTER?



When you feel out of sorts, nervous and suffer from headaches, gas, bloating, indigestion and lack of appetite, which may all be due to functional constipation—get Forni's Alpenkräuter—the time-proved stomachic tonic medicine. Contains 18 of Nature's own medicinal roots, herbs and botanicals. Gently and smoothly Alpenkräuter puts sluggish bowels to work and aids them to eliminate clogging waste; helps expel constipation's gas, gives the stomach that feeling of warmth. Caution: Use only as directed. Be wise—comfort your stomach while relieving constipation. Get ALPENKRÄUTER today.

If you cannot buy it in your neighborhood, send for our "get acquainted" offer on Alpenkräuter and receive—

**EXTRA 60c Value—  
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**FORNI'S HEIL-OEL LINIMENT**—antiseptic—brings quick relief from rheumatic and neuralgic pains, muscular backache, stiff or sore muscles, strains and sprains.

**FORNI'S MAGOLO**—alkaline—relieves certain temporary stomach disturbances such as acid indigestion and heartburn.

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C.O.D. (charges added).

Name \_\_\_\_\_

Address \_\_\_\_\_

Postoffice \_\_\_\_\_



### Star Dust in Her Eyes

(Continued from page 29)

any guy like me. I almost prayed today that you would fall in the test."

Picking her up in his arms, Paul went into the big comfortable chair by the fireplace.

"Now I have news, too, Lily. Old man Green had a talk with me today. Says he's getting too old for the long hours he's been putting in. He's going to give me an interest in the service station. And he has a couple of other ideas in mind, too. He kept me there tonight talking about it. Then you can give up the studio job, like I always hoped."

"Oh, Paul," said Lily softly, settling back with a sigh of content in his arms, "what an important day it has been—for both of us."

Keep Your Victory Bonds!



# Mickey the Pet Beaver

By ANNIE L. GAETZ

THIS is a picture of Doris Forbes, of Red Deer, and her pet beaver, which she calls Mickey. Not many boys or girls have a real live beaver for a playmate.

It is six years since Mr. Forbes found Mickey near his back door. He had been badly mauled by a dog and left for dead. Doris and her mother washed and dressed his wounds and put him in a warm box of hay behind the stove. Every few hours, they fed him from a spoon, warm milk with a little water and sugar added. They decided that babies were the same the world over, whether they had two legs or four.

In a few days, Mickey's wounds began to heal and he became interested in things around him, and to develop an appetite for something more substantial than milk.

At first Doris used to carry Mickey around with her, for he was only the size of a kitten. However, as his appetite developed, Mickey grew by leaps



and bounds. While wild beavers are content with roots, bark, leaves, and an occasional mushroom or a few wild berries, Mickey developed an appetite for all the good things that boys and girls like except meat and fish. His main dish is bread and milk, and perhaps carrots, peas, lettuce, or corn. Other things added are in the nature of frills—ice cream, chocolate bars, fruit cake, apples, oranges, particularly peaches and cream. He resented the fact that there was a war on and he could not have all the good things he would like. However, the family often denied themselves cookies on the table so that a plate of cookies could be given to Mickey for his supper.

For the last two summers Mickey has been one of the main attractions as a sideshow at the Red Deer Fair, the money thus realized going to buy comforts for the boys overseas. Children were particularly interested in seeing Mickey's teeth, for along the Creek near Mickey's present home, they see lots of trees, some nearly a foot in diameter, cut down by the sharp teeth of the beaver. Mickey has two sharp orange teeth above, and two below and he was quite willing to display them.

Mickey used to go to the Lake with Doris for a swim; but he now weighs 60 lbs. and is much too heavy to be carried about. When Doris goes away from home he misses her and is overjoyed when she returns.

Hundreds of yards of film have been taken of Mickey and Doris, and this will soon be released and boys and girls all over Canada will see Mickey and Doris in the Movies.

It is against the law for anyone to trap beavers or keep them in captivity. Since Mickey showed no desire to leave

the Forbes' home, they applied for legal possession of him. After five and a half years of red tape, Doris has finally been given legal possession of Mickey, so he is a member of the Forbes family for keeps.

Mr. Forbes has always expected that some spring Mickey would get the itchy foot and decide to join the other beavers along the Creek which is only a hundred yards from the house. But Mickey has grown used to a dainty fare and he may be unwilling to return to a diet of roots and bark. It's perhaps a good thing, too, that Mickey has decided to stay where he is looked after, for he has never learned the rules of combat and his love for tit-bits might lead him to back doors where ferocious dogs stand on guard.

• • •

## Home-Made Baking Mixes

ANY food which can be prepared outside of the regular meal-cooking period is good news to busy homemakers. There was a time when Saturday was bake day, and pies, cakes and cookies, as well as bread were made for the coming week. Now, however, these products are considered better if they are baked just before being eaten.

The busy schedule of today's homemaker need not prevent her from serving freshly baked food, says Vera Macdonald, Supervisor, Home Economics Division. It is possible and economical to prepare baking mixes similar to the commercial type which are ready for blending with milk or water and sometimes eggs.

It is important to mix the dry ingredients thoroughly when making an amount for more than one baking. Several siftings are necessary. Measure the total amount of mix so the proportion used for one baking is accurate.

The dry mixes should be placed in a covered container to protect from insects. Those which contain fat should be stored in a cold place. If properly stored, they will keep several weeks.

### BASIC MUFFIN MIX

Sift flour and measure 8 cups. Sift again with 5 tablespoons baking powder,  $\frac{1}{2}$  cup sugar and 2 teaspoons salt. Mix thoroughly by sifting. This amount makes 4 bakings. Cover and store.

When ready to make, measure  $\frac{1}{4}$  of mixture, about  $2\frac{1}{4}$  scant cups. Melt fat and add 3 tablespoons with 1 cup sweet milk and 1 beaten egg.

### PLAIN MUFFINS

Pour wet ingredients into dry mixture all at once. Stir vigorously 10 or 12 times. Fill greased muffin tins about  $\frac{2}{3}$  full. Bake in hot oven (400° F.) 20 to 25 minutes.

### BACON MUFFINS

Add  $\frac{1}{3}$  cup cooked bacon broken in small pieces to dry mixture before adding wet ingredients. Reduce fat to two tablespoons.

### CHEESE MUFFINS

Add  $\frac{1}{2}$  to  $\frac{3}{4}$  cup grated cheese to dry mixture before adding wet. Sprinkle muffins with paprika before baking.

• • •

### Dusting Aid

Dust settles in small crevices in woodwork and furniture. To remedy this have a small paint brush especially for this purpose. Dampen this brush with furniture polish and proceed as if using a dust cloth. This serves very well for the purpose.

## TRIPLE TESTED For QUALITY

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★ For Flour quality during Milling

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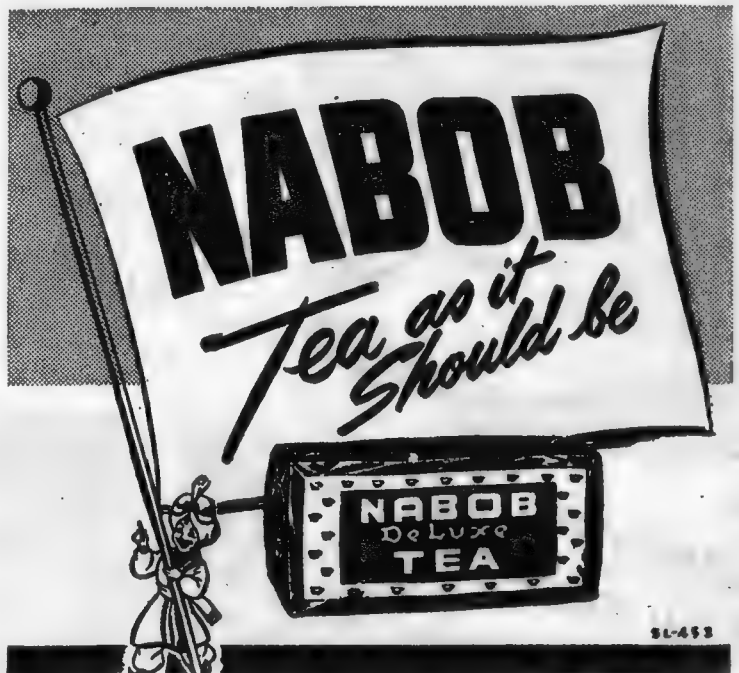
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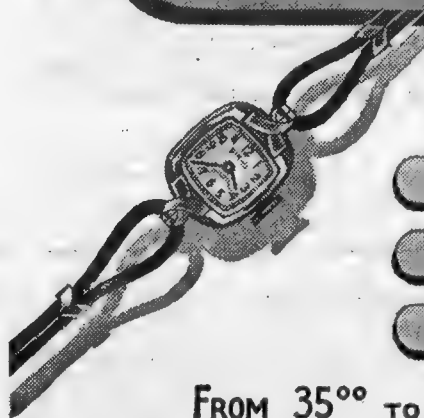
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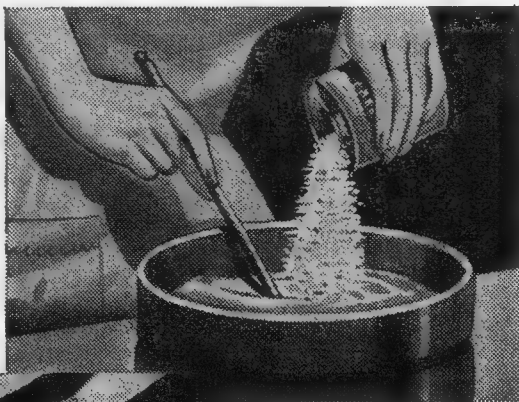
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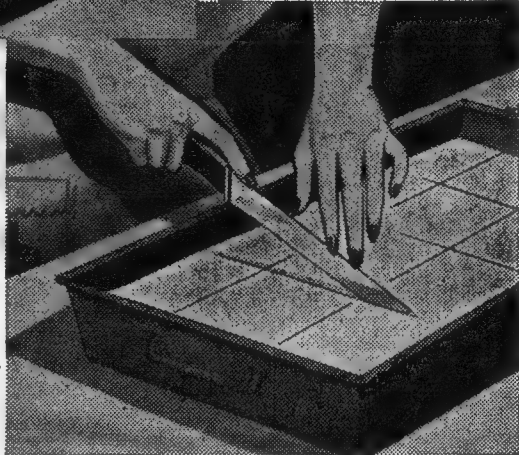
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**STIR INTO  
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UNTIL IT  
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2  
**POUR INTO  
PAN AND  
LET COOL—**



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**MARK INTO  
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*\*Never dissolve lye in hot water. The action of the lye itself heats the water.*



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MADE IN CANADA

## The Inexperienced Bread Maker

**HERE** are some pointers for those who are inexperienced in the art of bread-making, and the cause of the trouble:

### SOGGY BREAD

Cause — Excess moisture. Insufficient baking, especially in pans of more than one loaf. Poor yeast. Flour with poor quality of gluten.

### SOUR OR YEAST FLAVOR

Cause — Allowed to rise too long. Old yeast. Too-slow baking.  
Remedy — Care in rising and baking of bread.

### STREAKED BREAD

Cause — Uneven kneading. Dough placed in too warm place. Top exposed to air, crust formed on top. Using too much flour on board when kneading and molding loaf.

Remedy — Thorough kneading. Crock or plate over top of vessel during rising period. Use only enough flour to prevent dough from sticking.

### MUSTINESS AND RANCIDITY

Cause — Bread kept in close, moist receptacle causes growth of mold. Musty flour.

Remedy — Scald, dry sun and air bread containers. Do not use cloth for wrapping bread. Cool bread thoroughly on racks before storing.

### POORLY SHAPED LOAF

Cause — Carelessness or inexperience in handling and shaping. Oven of uneven temperature. Failure to turn loaf frequently while rising.

Remedy — Care in handling. Press evenly into pans. Use single loaf pans. Turn pans often.

### BROKEN CRUST

Cause — Oven too hot at first. Dough too stiff.

Remedy — Know your oven. Add moisture and knead until dough is smooth and elastic.

### UNEVEN CRUST BROWNING

Cause — When top crust is too brown, and bottom and sides white; oven too hot or baked unevenly.

Remedy — Regulate oven to heat evenly. Clean wrapping paper over top of bread will prevent browning too quickly.

### HOLES IN CRUMB AND CRUST

Cause—Poor kneading, causing bubbles to be distributed unevenly. Oven too hot at beginning. Over-fermentation of dough. Very poor quality flour.

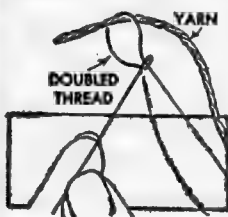
Remedy — Thorough kneading. Let dough rise to double its original size. Use good quality flour.

## Household Hints

By Courtesy Popular Mechanics Magazine

### TO THREAD YARN THROUGH A NEEDLE

**THE** next time you have to thread yarn through a needle, try this simple method. First, insert the



doubled end of a piece of thread through the needle and then insert the yarn end through the resulting loop of thread. You can now pull thread and yarn through the needle with little trouble.

★ ★

### SOFTEN HANDS

**T**IS often said a woman's hands reveal her age more accurately than her face! But here's a simple trick that helps keep the hardest-working hands soft and lovely. Using a mild complexion soap only, work up a good lather. Then add a few drops of olive oil directly to the lather and rub in thoroughly. Rinse in luke-warm water. You will find the olive oil not only softens the water but remains lightly on the skin as well . . . acts as a hand "make-up" base!

★ ★

### CRUSHED EGG SHELLS SCOUR BOTTLES

**CRUSHED** egg shells provide an excellent abrasive for scouring milk bottles and other utensils. To clean a milk bottle, drop in the crushed shell of one egg, pour in a little hot water, and shake vigorously with a rotary motion for a few seconds. Soiled particles clinging to hard-to-clean portions of the bottle are removed by the sharp edges of the shell particles, and the bottle is cleaned perfectly. Try crushed egg shells, also, for scouring aluminum ware, granite utensils or other difficult scouring jobs.

### CHALK LINE MARKS QUILTING PATTERN

**SQUARE** or diagonal patterns for quilting can be marked quickly and accurately on the material by means of a piece of chalk and string. The string is coated liberally with chalk, then held taut in position over the material and snapped against the cloth. This transfers a chalk line to the cloth and the mark will remain until it is rubbed off by brushing.

. . . .

To make a floor beautiful and shining, take a tin of wax polish, turn it into a large jam jar, then beat into this sufficient turpentine to make a liquid cream.

This is a non-slip polish. It keeps away moths, and is easy to apply and rub up.

. . . .

### Cleaning the Wringer

To clean the rubber rolls on the clothes wringer, pour a little kerosene on a moist soft cloth, then rub briskly and see how quickly the discolorations will disappear.

. . . .

### Shelf Coverings

Of all the different coverings for pantry shelves there is nothing so satisfactory as linoleum. It is easy to keep clean, does not stick to the dishes, as table oilcloth does; does not crumple up, and wears well. It is best to use some light-colored pattern to match the woodwork.

. . . .

### Table Covers

Keeping the kitchen table covered with table oilcloth is a continual expense. Try, instead, purchasing a remnant of inlaid linoleum, securing, if possible, a pattern that will harmonize with the color scheme of the kitchen. This will stand any amount of rough usage and even moderately hot pans and dishes will not harm it. A good scrubbing will remove stains and leave it bright and fresh.



# HOMEMAKING *By Betty Brown* and HOMEKEEPING

MY DEAR COUSIN JANEY, — Now that November is here we can say that Christmas is "just 'round the corner", and that means that it is time to think about Christmas cake, pudding and mincemeat, as these all need to be made well in advance so that they may have time to ripen, or strike flavor.

I shall give you two recipes for each and then you may make your choice. Mother's recipe for mincemeat is not a modern one, as it contains meat, but it does not contain suet, but butter, which we much prefer. Here it is, with the following ingredients: one cup butter; one small beef tongue, boiled and chopped; one quart chopped apples; one-half cup each of chopped candied orange and citron peel; one teaspoon each of cinnamon and nutmeg; one-half teaspoon of cloves; three cups seeded raisins; two cups currants; one cup sugar; one-half cup molasses; juice and grated rind of two oranges and two lemons; three cups of either grape juice or cider. Put in a crock for a few days to ripen. Then bring all to the boiling point, fill into sterilized glass sealers, partly seal, set in a boiler to sterilize for an hour, the same as when canning fruit. Remove, seal and put away until required.

Cranberry mincemeat is "agreeably different". Mix together the following ingredients and cook until thick: six large apples, chopped; two cups cooked, chopped beef; two cups raisins; four cups sugar; half a cup each of vinegar and chopped candied peel; three cups chopped cranberries; two cups water, and seasoning to taste.

I am not sure whether or not you have our recipe for carrot pudding, but I'm going to send it anyway as it is a de luxe pudding. Here are the ingredients; mix them and steam four hours: one and a half cups of soft brown sugar; one and a half cups soft, day-old bread crumbs; one and a half cups of seeded raisins (clipped); one and a half cups of currants; one-third cup each of citron peel and chopped cherries; three-quarter cups of once-sifted flour; three-quarter teaspoons of baking soda; one teaspoon of salt; one and a half teaspoons of cinnamon; one-quarter teaspoon each of nutmeg and ginger; one cup of finely chopped suet; one cup each of grated carrots, potato and apple; one egg; juice and rind of one lemon.

A much smaller pudding but quite acceptable is this plain, light pudding—one we have so often tried and proven. Mix these dry ingredients: one pint of stale bread crumbs; one cup of flour; one cup each of raisins and currants; one cup of brown sugar; juice and rind of one lemon; one teaspoon of cinnamon; half a grated nutmeg; two cups of chopped suet; half a pound of chopped citron. Beat three eggs and add half a cup of molasses. Dissolve half a teaspoon of soda in a tablespoon of hot water, add it to the molasses and eggs; mix into the dry ingredients and pack into a greased mold; steam four hours.

If you don't wish a very large Christmas cake, try this four-pound one. Beat five eggs until very light. Beat one-half pound of butter to a cream, add one-half pound of sugar and beat again; add the eggs, then one-half pound of flour and one-half teaspoon each of nutmeg, cinnamon and all-

spice. Give all a good hard beating. Mix three-quarters of a pound each of raisins, currants and candied peel; flour well and add. And lastly, add the juice and rind of one-half orange and one-half lemon.

I'll close with a real fruity fruit-cake. One pound each of seedless raisins, currants, mixed peel, candied pineapple, cherries and dates; one teaspoon each of cinnamon, allspice and nutmeg; one and a half cups each of butter and of brown sugar; six eggs; half a cup of orange juice; half a teaspoon of soda and two and a half cups of flour. I haven't tried this myself but Cousin Lena gave me the recipe and said it was "superb". Let's try it, eh?

Success to your Christmas baking.  
—BETTY.

## Game On The Menu

THE sound of the gun and the enjoyment of the well cooked game bird are now being appreciated by many Alberta hunters and their families. The thrill and enjoyment of good shooting is experienced a second time as the hunter takes up the carving knife and distributes, together with tales of the kill, the choice morsels to the diners.

Game meat is a wholesome and nourishing food and has a distinctive flavor which differs from the meat of domestic animals. Whether or not it is necessary to dress the game immediately after shooting depends on the weather. Mrs. Macdonald, Supervisor of the Alberta Home Economics Service, says that game birds may be carried through the day without cleaning, but if they are to be kept for more than one day in warm weather without refrigeration, they should be drawn as soon as possible. The feathers should be left on until the hunter returns home. Skinning of game birds is sometimes done, since this is easier than plucking, but some of the flavor is lost by skinning. Freshly killed game should be bled, and allowed to age in a cool place at least 24 hours before cooking.

Like domestic fowl, the older birds will be the tougher, and will require more cooking. Young tender meat may be boiled or fried, but mature carcasses should be aged for several days and may be par-boiled first and then cooked slowly.

Pheasant meat is similar to chicken but dryer. Most chicken recipes are quite suitable for preparing pheasant. Cooking in a covered roaster helps to retain the moisture. Any moist heat method for preparing fowl is desirable.

Wild duck is darker and dryer than the domestic variety. The flavor of wild duck may be lessened by placing a small peeled carrot in the duck, plunging in boiling water and simmering for ten minutes before roasting. If the duck is young omit the parboiling and rub with an onion cut in two. Put four or five uncooked cranberries in each before cooking. Onion stuffing will also help. The Mallard Duck is dry when roasted. A recommended method is to stuff with bread stuffing, baste with bacon drippings, and roast slowly for an hour.

Recipes, and directions for serving game meat may be had from the Home Economics Division, Alberta Department of Agriculture, Edmonton. Directions for preserving game meat by canning or freezing are also available.

You will prefer it



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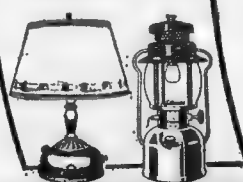
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## Country Diary

**H**ALLOWE'EN is the closing of October's door, and so should not be out of place in the early November diary. The spirits of the departed who arose and lived again on this hallowed eve in ancient lore, were again perpetrated by hobbledehoys, hobgoblins and sundry sprites who become ghosts in correct traditional fashion for the nonce. A long, long gap divides those holy ones of ancient time from the ghosts who walked silently, lightly along the trails and knocked at back doors and chanted in falsetto voices under grotesque masks meant to look weird and fearsome. They were appeased by such simple goodies as cookies, peanuts, polished rosy apples and small cupboard tokens that Mother Hubbard had prepared, knowing the ways of camouflaged ghosts on this night. Now and then they knocked at the doors of homes where there was a sorrowful absence, no ghost to walk save in grim memory, and they were admitted to kitchens where another hobbledehoy had "cut up" and teased Mom not so many years ago. I am glad our country ghosts have not the ruthlessness of many hoydens of the city whose main purpose in life appears to be mischief and to pose as budding gangsters.

I hope this will be an "apple-year" for us prairie dwellers. A few years ago it was an exciting event when the carload of rosy fruit arrived from B.C. Then there was labor in plenty to pick and wrap and pack and make the boxes, this latter an important item. For the past two years they have been dumping apples by the ton over there, feeding them to pigs and chickens, leaving them to rot and form compost, or just leaving them. Perhaps not picking them at all, as I have seen myself. Apples should be a common right of man. Prairie housewives want apples for pie and apple sauce, for pudding and dumplings and chili sauce, to enliven the monotony of winter menus. And mostly they are needed for the children just to crunch at any old time and to slip in the lunch-pail.

In the fields the mice and rabbits and other small fry are softly scurrying over bare frozen furrows in search of burrows and holes for winter homes where they can brouse safely and snugly in between stealthy foragings, unlike their hibernating kin—gophers, squirrels, badgers—who feed to the full on harvest bounty and then wrap themselves in winter-long sleep.

The special gift of an occasional bright, frosty day compensates for the dark storminess of this month. November is notorious for its chilly, sullen skies, and in the end is sternly gripped by winter. Very few poets have sung its praises, at present I cannot remember one. But then there is loveliness at the end of one of those rare, quiet, brightly tranquil country days, with a few true words to think over: "We live only to discover beauty."

### Starching Rag Rugs

Rag rugs that have been washed frequently get so they do not stay down on the floor well, and soil easily. If after washing they are dipped into thin starch they will be more like new, stay clean longer and not wrinkle up so badly. They must be pulled into shape when upon the line, however, or they will dry crooked.

### Cleaning and Pressing

**C**LEANING and pressing is a task in the household routine of most rural women. It is not convenient for them to run out to a nearby dry-cleaning establishment. But necessity is the mother of invention, and there are few rural women who do not master the task with good success. However, there may be a few young, inexperienced housewives among our readers. So here are a few helplets for their benefit:

When sponging spots from any fabric, several thicknesses of soft material should be placed on the board, underneath the spots. Then as the dirty cleaning liquid soaks through the fabric, it is absorbed by the pad, instead of spreading on the garment. Change the pad as necessary.

Fine laces, sheer collars, and dainty handkerchiefs may be laundered without injury to dainty material by placing them in a large jar half full of warm water made sudsy with pure soap. Shake vigorously for several minutes. Drain and press out suds. Rinse in clear water the same way.

A small scrub brush or very stiff whisk broom is handy for one when ironing fringe. The trim may be brushed out straight with little effort.

### Flannels

Flannels will look like new after repeated washage, if they are thoroughly dried and then covered with a damp cloth before ironing. When the cloth is pulled away from the ironed material it leaves the nap as fluffy as when new.

Bias slips will fit nicely if they are ironed on a board, running the iron crosswise, following the thread of the material.

If a knitted suit or dress has become wrinkled, and there is danger of it stretching if hung on a hanger, it should be spread on a large towel that has been well wrung from warm water, then covered with another damp towel and left for several hours. The wrinkles will disappear.

### A Little Warmth

**A** LITTLE warmth will speed up many a household job ordinarily done cold, states Mrs. V. Macdonald, Supervisor of the Alberta Home Economics Division. Egg whites whip better if they are at room temperature rather than cold. The various ingredients in cake blend better if all are the temperature of the kitchen rather than some cold and some warm.

Milk, eggs and fat to be used in cake, therefore, should be taken out of the icebox an hour or so before mixing to take off the chill. Dried fruits and dry beans "soak up" faster in hot water than cold. Hot water is better than cold water for rinsing rice, both before and after cooking. It removes the starchy powder from raw rice more thoroughly, and it carries off loose starch and separates the grains of cooked rice better, besides keeping the rice hot. In making mashed potatoes, hot milk is better than cold because it helps soften lumps, adds to lightness, and keeps the potatoes hot.

### Velvet Creases

The most effective way to remove creases from velvet is for one person to hold it tightly while another passes a warm iron over the wrong side. Then brush the nap, and the velvet will look like new.



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# SELECTED RECIPES

And piping hot soup tastes even better than it looks when the mercury soars low. Here are a few of the more popular ways of preparing a bowl, rather a pot, of nourishing appetizing soup:

## ONION SOUP

Two cups soup stock, 2 cups chopped onions, 1 cup water,  $\frac{1}{2}$  teaspoon salt, 1 teaspoon chopped parsley,  $\frac{1}{2}$  cup grated cheese, 4 slices of bread.

Cook onions in water until tender. Add soup stock. Mix grated cheese to a paste with 2 tablespoons cream. Spread on bread. Sprinkle with parsley. In each soup bowl place one slice of bread. Pour soup over bread.

## CARROT SOUP

One cup cooked carrots, 1 tablespoon flour,  $\frac{1}{2}$  teaspoon salt, 2 cups milk.

Press carrots through a sieve. Mix with flour and salt. Gradually add heated milk. Re-heat.

## CREAM OF POTATO SOUP

One cup hot riced or mashed potatoes, 1 tablespoon finely chopped onion, 1 tablespoon finely chopped parsley; 2 cups milk, 2 tablespoons butter,  $\frac{1}{2}$  teaspoon salt.

Melt butter. Add onions. Cook until clear. Add milk, potatoes and salt. Heat. Add parsley just before serving.

## CREAM OF PEA SOUP

One 16-oz. can standard quality peas, 2 cups milk,  $\frac{1}{2}$  teaspoon salt, 2 tablespoons flour, 2 tablespoons butter.

Mash peas. Cook three minutes. Press through a coarse sieve. Add salt. Melt butter. Add flour. Stir until it froths. Add milk. Stir until smooth. Add pea pulp. Reheat. Serve with a dash of paprika.

## RAISIN HONEY PUDDING

- $\frac{3}{4}$  cup raisins
- 4 cups white bread cubes
- $\frac{1}{2}$  cup honey
- 1 quart milk
- 5 whole eggs
- $\frac{1}{4}$  cup sugar
- Few grains salt
- 2 tsp. vanilla
- Sprinkling nutmeg

Rinse and drain raisins; combine honey and bread cubes in large kettle; cook and stir over low heat until bread absorbs honey (2 or 3 mins.). Blend together milk, slightly beaten eggs, sugar, salt and flavoring; add with raisins to bread cubes; mix well. Pour into baking pan and bake at 375 deg. F. until custard is set—about 1 hour. Serves 6 to 8. For a small family use half the recipe.

## SCOTCH WAFERS

- 2 cups rolled oats
- 1 cup sifted flour
- $\frac{1}{2}$  cup sugar
- $\frac{1}{2}$  teaspoon salt
- 2 teaspoons baking powder
- 3 tablespoons fat
- $\frac{1}{3}$  cup milk

Mix dry ingredients, add fat and mix together thoroughly. Add enough milk to make a dough sufficiently hard to roll (about  $\frac{1}{3}$  of a cup); knead this dough well and roll very thin. Cut with biscuit cutter. Bake in a moderately hot oven (375 degrees F.) for 15 to 20 minutes. They are very crisp when cool.

## To Clean Bed Springs

Buy a cheap dust mop and treat it with oil like dust mops for the floor are treated. When you go once over your springs they are clean, the dust is taken up and your hands are protected.

## BATTER PUDDING

- 4 medium apples
- 2 tablespoons sugar
- $\frac{1}{2}$  cup mild flavored fat
- $\frac{1}{3}$  cup brown sugar
- 1 egg
- $\frac{1}{2}$  teaspoon vanilla
- $\frac{1}{2}$  cup rolled oats
- $\frac{1}{2}$  cup sifted flour
- 2 teaspoons baking powder
- $\frac{1}{4}$  teaspoon cinnamon
- $\frac{1}{4}$  teaspoon salt
- $\frac{1}{2}$  cup milk

Peel, core and slice apples. Place in a greased baking dish and sprinkle with sugar. Cream fat, add sugar and cream well together. Add beaten egg and vanilla. Beat well. Mix dry ingredients and add alternately with milk to creamed mixture. Pour over apples and bake in a moderate oven, 350° F., for 40 minutes. Yield: 6 servings. Other fruit may be used instead of apples.

## CARAMEL CAKE

Boil together  $1\frac{1}{2}$  cups of brown sugar, 2 tablespoons cocoa and  $\frac{1}{2}$  cup of water, until the sugar is dissolved. While cooling beat 1 cup of cream (sweet) until thick. Then add the cooled syrup, and 1 teaspoon vanilla. Stir in 2 cups flour with which has been sifted 4 teaspoons baking powder. Beat well, turn into greased and floured tins and bake in a moderate oven.

This may be baked either as a layer or a loaf cake. Use caramel frosting on it. Nuts or raisins may be added if desired. If you do not have brown sugar, white sugar may be used by browning it lightly. Sour cream may be used instead of sweet, by using soda instead of baking powder, though, of course, less soda will be required, depending on the sourness of the cream. A spice cake may be made by the addition of spice to the recipe.

## HOT POTATO SALAD

Four cold boiled potatoes, one onion. Make a dressing of the following ingredients: Two slices bacon, one tablespoonful flour, one-fourth cup vinegar and water combined, salt and pepper. Fry the bacon and remove slices, add flour to the bacon fat, then vinegar and water and seasonings. Cook until the dressing thickens. Dice the bacon and potatoes and add the dressing. Serve hot.

## POTATO SCONES

- 2 cups sifted all-purpose flour
- $\frac{1}{2}$  teaspoon salt
- 4 teaspoons baking powder
- 1 cup mashed potatoes
- $\frac{3}{4}$  cup milk
- 2 tablespoons melted fat

Mix and sift dry ingredients. Blend with mashed potatoes, add milk and melted fat. Pat out to 1-inch thickness and cut in diamonds. Bake on a hot ungreased griddle. When well browned on one side, turn and cook on other side. Makes 12 scones.

## SPONGE CAKE

- 5 egg yolks
- $\frac{1}{3}$  cup cold water
- 1 cup fruit sugar
- 1 cup pastry flour
- 1 teaspoon vanilla
- 1 teaspoon cream of tartar
- 5 egg whites

Combine egg yolks, water and sugar. Beat with double dover egg beater for 10 minutes. Add flour, sifted several times, and flavoring. Beat again well with the beater until well combined. Beat egg whites until foamy, add cream of tartar and beat until stiff and dry. Fold this into first mixture, using a spatula. Bake in a large unbuttered tube pan at 325° F. for 1 hour.

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## CARMEL PUDDING CAKE

- $\frac{3}{4}$  cup shortening
- 1 tsp. vanilla extract
- $\frac{3}{4}$  cup dark corn syrup
- 2 well beaten egg yolks
- 1 package butterscotch pudding
- 2 cups all purpose flour
- $\frac{1}{2}$  tsp. salt
- $2\frac{1}{2}$  tps. Magic Baking Powder
- $\frac{3}{4}$  cup milk

Cream thoroughly shortening, vanilla extract and corn syrup. Add egg yolks; beat thoroughly. Add butterscotch pudding; beat thoroughly. Sift dry ingredients together; add to mixture alternately with milk. Pour into 2 waxed-paper lined 8" round pans. Bake in 350° oven 30-35 minutes. Frost with

**BOILED FROSTING:** 2 egg whites;  $\frac{1}{2}$  cup corn syrup;  $\frac{1}{4}$  tsp. salt;  $\frac{1}{2}$  tsp. vanilla;  $\frac{1}{2}$  tsp. almond extract; cocoa.

Put egg whites, corn syrup, salt, vanilla and almond extract in top of double boiler and beat over hot water for 7 minutes. Spread between layers and on top of cake—sprinkle with cocoa.



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**CHEVIOTS FOR SALE**, the hardy, early-maturing market toppers that are rapidly becoming one of Canada's most popular farm sheep, prolific and good fleeces. Ram lambs, \$35.00; ewe lambs, \$20, registration certificates included. Also young Dual-Purpose Shorthorn bulls and heifers, best of breeding; also the West's largest breeder of registered Percheron horses. Write your wants to the Justamere Stock Farm, Lloydminster.

## ABERDEEN-ANGUS

**ABERDEEN-ANGUS Cattle** — Chas. Ellett, Sandy Lake Stock Farm, R.R. 2, South Edmonton, Alta.

## SHEEP

**TOP** quality registered Suffolk and Hampshire rams, also a few bred and open ewes. P. J. Rock & Son, Drumheller, Alta.

## LIVESTOCK REMEDIES

**VIX (STIKS-EM)** — Settle shy breeding cows or mares with one service or your money back. Use just before service. 85c for cow or mare; \$2.35 for 4, postpaid. Will keep indefinitely. Order today. Kyle Ayrshire Farm, 506, Carman, Man.

## MACHINERY

**PUMPS, MOTORS, ENGINES**

Diesel, Nat. Gas

**MACHINERY, SUPPLIES**

New and Used

**WILKINSON & McCLEAN Limited**

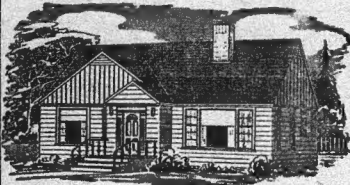
615 Eighth Avenue West, Calgary

10235 - 103rd Street, Edmonton, Alta.

**CLASSIFIED ADS BRING RESULTS**



**Last Chance!**  
**THE KINSMEN**  
**\$12,000**  
**DREAM HOME**  
 WILL GO TO SOMEONE  
 FOR \$1.



**MAIL ORDER**  
**Closing Date**  
**Nov. 24th**

ONE DOLLAR, invested  
 in a ticket, may win you  
 this luxurious, furnished  
 home in Edmonton's love-  
 ly Glenora District.

**PROCEEDS to**  
**KINSMEN FUND ...**  
**MILK-FOR-BRITAIN**

(\$10,000 in Victory Bonds  
 may be awarded in place  
 of house.)

● FILL OUT COUPON ...  
 ATTACH \$1 PER TICKET

B-2  
 "KINSMEN MILK-FOR-BRITAIN BUNGALOW,"  
 Box 188, EDMONTON, ALBERTA

TICKETS

NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

AMOUNT \$ \_\_\_\_\_ FOR \_\_\_\_\_

### MEDICAL

**RUPTURE RELIEF**—Send for free Booklet of this British-made appliance for relief from Rupture. Recommended by the Medical Profession. So light and comfortable that you will not know you have it on. It holds the hernia firmly, so that in many cases the broken tissues reunite and the rupture is conquered forever. Write today: Beasley's, Dept. CL-57, 60 Front St. West, Toronto.

**ECZEMA, PSORASIS** or any skin trouble can get speedy relief by using Gypsy Ointment. Large jar, \$1.00 and 10 cents postage. James Kershaw, 140 - 6th Ave. West, Calgary.

### ARE YOU SUFFERING?

With Arthritis, Rheumatism, Stomach Ailments, Kidneys, Nerves, Piles, Colitis, Eczema, Female Ailments, Weakness, Run-down, etc., we will gladly refer you to responsible men and women who have proven the merit of Lang's Mineral Remedy to their own satisfaction. Write us for free information, we don't ask you to buy anything. Lang's Mineral Remedies, 946 Robson St., Vancouver, B.C.

### MILKING MACHINES

**THE PERFECTION MILK-MASTER** increases production up to 10% over hand-milking. Saves labour. Write for details and prices. Perfection Milking Machine Corporation (Canada) Limited, Box 113, Terminal Station "A", Toronto.

### MISCELLANEOUS

**ROOT BEER**—4 ounces of our concentrate will make 4 gallons of delicious Root Beer. Only 50 cents postpaid. G. Grattan, Station L, Winnipeg, Manitoba.

**59¢ CONUNDRUMS**, 15¢; 84 Card Tricks, 20¢. Empire Novelties, Peterboro, Ontario.

**WANTED** — Few hives of bees with enough honey to winter them. W. Fowler, Hayter, Alberta.

### NURSERY STOCK

**TOBE'S**  
*Unique Leaf*  
**CALADIUM**  
 Sample Bulb - 10¢  
 Multi-colored, veined,  
 variegated in red, green,  
 white.  
 FREE CATALOG  
 Attractive House Plant.  
**TOBE'S TREERY** NIAGARA-ON-THE-LAKE  
 ONTARIO

**CHIEF AND SUNLIGHT RASPBERRIES**. \$2.00 per hundred; Hansen's Improved Sand Cherries, Highbush Cranberries, 10 for \$1.00; Perfection Red Currants, 5 for \$1.00. Prepaid. Fall delivery. T. H. Kelsey, Gunn, Alta.

### PATENTS

**LELAND S. MITCHELL**, Registered Patent Attorney. Free Literature on Patents, 410 McArthur Block, Winnipeg.

### PERSONAL

**BOOK OF SQUARE DANCES WITH MUSIC**, calls, diagrams, \$1.00, postpaid. Empire Novelties, Peterboro, Ontario.

**PARTY FUN BOOK**, 50¢; 150 Tricks — Games, 50¢. Empire Novelties, Peterboro, Ontario.

**BOOK OF ONE THOUSAND DREAMS** and their meaning. How soon you will marry, and who your future husband or wife will be. 120 pages in well bound covers. Most complete published. 35 cents postpaid. G. Grattan, Station L, Winnipeg, Manitoba.

**KWIK-KLIP**—Save Barber Costs. Men trim your own hair. Ladies remove hairs from arms and legs. Trim hair with a professional taper. No steps. Fine for trimming children's hair. Use like ordinary comb. A safe, money-saving invention. Kwik-Klip, complete with full directions, only 59 cents postpaid. G. Grattan, Station L, Winnipeg, Manitoba.

**"GIANT NOVELTY FUN PAK"**—30 Novelties and Tricks! All different, including: "Morning Paper Clippings", "Amusing Letters", "Comic Post Cards", "Phoney Money", "Night-out Novelty", "Date Cards", etc., etc., \$1,000.00 in laughs guaranteed. Price only \$1.00. Also Novelty Catalog Free. Roy Sales Co., Dept. F, Box 1081, Winnipeg, Man.

**PERMANENT WAVE SETS** — Hair waving at home without discomfort, without appointment, no electricity, no heat required. Professional-like wave that lasts six months. Used on all types of hair. Outfit contains 50 curlers, 3 ingredients and shampoo. Complete with easy to follow directions. Satisfaction guaranteed. Only \$1.15 postpaid. G. Grattan, Station L, Winnipeg, Man.

**BEAUTIFUL HAIR** can be yours. Free from dandruff, baldness, falling hair and itching scalp. Use Grattan's Hair Restorer. Fully guaranteed. Complete treatment, 75¢ postpaid. G. Grattan, Station L, Winnipeg, Manitoba.

**WRINKLES DISAPPEAR IN TWO MINUTES** or money back. Men, women, if you have age lines or enlarged pores, try our amazing new cream, no massaging, immediate results, positively harmless, complete satisfaction or money refunded. Price, \$1.75 per jar postpaid. G. Grattan, Station L, Winnipeg, Manitoba.

**RUPTURED?** New patented invention, lifts and holds like the human hand. Write for information. Hand-Lock Products, 146 King St. East, Kitchener, Ont.

### PERSONAL

**LONESOME?** Join Reliable Club—Established 1909. Book of photos and descriptions of members. Free. Sealed. Exchange Company, 3827-H Main, Kansas City, Mo.

### ARE YOU RUPTURED?

**RELIEF, COMFORT**—Positive Support without advance method. No elastic or under-strings of steel. Write Smith Manufacturing Co., Dept. 98, Preston, Ont.

**ASTRA FORTUNE TELLING CARDS** provide fun and amusement for all the family. Full deck with complete instructions. Only 39 cents postpaid. G. Grattan, Station L, Winnipeg, Manitoba.

**AVALON FOR GREY HAIR**, a perfectly harmless preparation, that restores grey streaked and faded hair similar to its original color, fully guaranteed, \$1.00 postpaid. G. Grattan, Station L, Winnipeg, Manitoba.

### TAPEWORM

Stomach and thread worms often are the cause of ill health in humans, all ages. No one immune! Why not find out if this is your trouble? Interesting particulars — FREE! Mulveny's Remedies, Dept. FR, Specialists, Toronto 3, Ont.

### PEST CONTROL

**"DERAT"** Rat and Mouse Killer, 50¢. Harmless to Humans, Animals, Fowl. At Eaton, Simpson, Liggett, leading drug, grocery, hardware, co-operative stores, or write Derpo Products, Toronto 4.

### PHOTO FINISHING

**INTRODUCTORY Special!** Mail this ad. with 10¢ in coin and 4 negatives and receive 4 beautiful panel embossed snapshots in handy pocket album. Artist, Dept. 159, Drawer 220, Regina, Sask.

### PHOTO FINISHING

**SENSATIONAL Introductory Offer!** 6 beautiful enlargements of any 6 negatives of same size (up to 2 1/4 x 4 1/4). Produced with new Photo Electric "Magic Eye". Send negatives with this ad. and 25¢ in coin today! Photo Research Labs., Dept. E., Drawer 370, Regina, Sask.

### RABBITS

**THE ALBERTA RABBIT AND CAVY** Breeders Association will buy all your meat rabbits, four pounds and over. Deliver F.O.B. 2404 - 36th Street West, Calgary. Box 341, Calgary.

### RADIO REPAIRS

**RADIO SERVICE AND REPAIRS** — For the careful handling, workmanship and your satisfaction ship to H. C. Owen, 335A - 11th Ave. W., Calgary, Alta. For your winter listening pleasure, repair early.

### TANNERIES

**TANNERS, Furriers, Fur Dressers** — Furs stored and repaired, robe and leather Tanning, Taxidermy. The Briggs Tannery, Offices and Factory, Burnside, Calgary, Alberta. Phone F 5430.

### TRAPPERS' SUPPLIES

**SO YOU WANT TO TRAP?** Use latest scientific, trapline tested methods, sets, lures, to outwit slyest furbearers. Black Lily All-Animal Lure, gets the fur. 100 set size bottle, \$1.00. Latest Trapping methods; Weasel, \$1.00, 20 set size bottle lure FREE with each. Wolf, Coyote Trappers—Write. Results or money back. Order now—today. "One Pelt pays for it". Farmers Supply Co., Box 239-R, Carman, Manitoba.

(Continued on page 39)

"WHERE THE SPRINGS COME FROM"

**STANDEN'S**  
 LIMITED

Spring Manufacturers, Parts, Service.  
 Order Desk: Phone M 7864  
 24th Ave. and 3rd Street S.E., CALGARY, ALBERTA

Office Phone M 7865

**NELSON FARM RECORD**

**MR. FARMER — If You Could Buy A Complete BOOKKEEPING SYSTEM ...**

That is so simple that a ten-year-old child can understand it—a system that has a place for every item of Receipts and Expense, with full details of every transaction for every day for three years. A system that gives you your totals for all your income and expenses for every day or month and for the entire year as well as your taxable income and your deductible expenses for Income Tax Purposes. Again we say, if you could buy such a book you would be willing to pay a big price for it. BUT, MR. FARMER, you can now buy such a book made to last three years for only \$3.75. It sounds unreasonable, but it is true. When you have seen this book, you will agree that you have never before seen one so simple and complete and so low in price.

At the end of each year's business you will find Financial Statement, Income Tax Statement, Stock Records, etc., on which to complete your year's business, also instructions which are self explanatory to show how it operates.

You simply can not afford to be without this book, it is worth the price asked for it many times over.

If you are not satisfied that it is worth more than we ask for it, return it to us undamaged within 5 days and your money will be refunded.

SEND YOUR ORDERS TO—

**NELSON FARM RECORD,**  
 414 - 13th Ave. N.E., Calgary, or 12040 - 38th Street, Edmonton, Alta.

Date \_\_\_\_\_

I am enclosing Money Order for \$3.75. Please send me one copy of the Nelson Farm Record Postpaid.

Name \_\_\_\_\_

Town \_\_\_\_\_ R.F.D. or P.O. Box No. \_\_\_\_\_



## 1885 ~ SIXTY YEARS OF PROGRESS ~ 1945

*A Dream Come True*

WHEN, on November 7, 1885, the last spike was driven linking the rails of the Canadian Pacific Railway, developments only dreamed of that day were to follow.

Soon ships flying the red and white Canadian Pacific house flag were plying the Pacific... then the Atlantic. There followed a chain of hotels... resorts and lodges... coastal and inland steamships... express and telegraph services—the whole forming an all-Canadian system stretching more than half way round the world.

In 1939, this vast system was dedicated to the winning of the war. Since then the Company's rail lines alone have handled more than 128 billion ton miles of freight—and 11 billion passenger miles. All ocean steamships have been on active service—many have gone down fighting.

Now the Canadian Pacific faces the future. Plans have been completed for the construction of new, improved locomotives and coaches... sleeping cars... parlour cars... diners; for the renovation of stations and hotels; and for the building of a new fleet of ocean vessels.

In a world at peace the Canadian Pacific will do its part in providing modern, efficient transportation by land and sea.

*Canadian Pacific*





(Continued from page 37)

## REAL ESTATE

MAD SCRAMBLE  
FOR  
VANCOUVER PROPERTY

Prairie People by the thousands are flocking to Vancouver. Thousands more intend coming to this Paradise of the Pacific. There'll be a Mad Scramble for Vancouver Property at any price. Buy now at Present Prices and share in the Profits. Thousands are buying now for Profitable Investment, others for Permanent Homes now, or in the Future. You Buy the Lot—We'll Build your Home, looking after everything—20 years to pay—N.H.A. Loans. This Ad. carries an Exceptional Opportunity to Prairie Readers, but quick action is necessary. Here's the story: We are now opening up the Finest Close-in Residential District in all of Greater Vancouver known as **CAPILANO HIGHLANDS**, located on the Sun Kissed Southern Slopes of Vancouver's North Shore, adjoining the World Famed **CAPILANO CANYON**. The Spanning of the Harbor Entrance by the New Lions Gate Bridge brings this District within 10 minutes of Downtown Vancouver. The Public is quickly grasping this Opportunity of Acquiring "A LITTLE COUNTRY ESTATE" in this Scenic Wonderland, right on the Threshold of the City where they can permanently enjoy Zestful living and the Scenic Beauty of Mighty Mountains, the World's Finest Harbor, the Gulf of Georgia, and Green Isles beyond. Again we say, quick action is necessary to get Choice of Location. Most Lots are 70 x 115 ft., and prices range from \$475.00 to \$675.00 on terms of 1/3 down, balance over 2 years. Ideal for Investment—Ideal for a Home.

Prairie People can buy with confidence by Mail, therefore write us a letter outlining what you have in mind and we will mail you our **CAPILANO HIGHLAND 16-Page Booklet** with Colored Views of Capilano District, Vancouver City and Rocky Mountains together with a Map of the Property. Air Mail your letter TODAY. We'll get it TOMORROW.

**SERVICE REALTY COMPANY**  
1402 Vancouver Block, MA-rine 2649,  
VANCOUVER, B.C.

## SONG WRITERS

**POEMS WANTED** for musical setting. Send poem for immediate consideration and FREE Rhyming Dictionary. Richard Brothers, 18 Woods Building, Chicago.

**SONG POEMS** wanted to be set to music. Send poem for immediate consideration. **FIVE STAR MUSIC MASTERS**. 545 Beacon Bldg. Boston 8, Mass.

## TURKEYS

**RAISE** Turkeys the new way. Write for free information explaining how to make up to \$3,000.00 in your own backyard. Address National Turkey Institute, Dept. 182, Columbus, Kansas.

## WASHER REPAIRS

**MAYTAG** Washer and Engine Repairs carefully done by trained mechanics. A full stock of parts on hand for Maytag repairs, also wringer rolls for most makes. The Maytag Co. Ltd., Calgary and Regina.

## WATER ANALYSIS

**GOOD WATER IS ESSENTIAL** — Water analysis may prevent illness in your family, and losses in your herds and flocks. Send or bring us one quart of the water you are now using and we will analyze it chemically and send you a report which will show the mineral content, the presence of injurious minerals, the chemical indications of impurity, and we will comment on the condition of the water. **D. & G. OIL FIELD SPECIALTIES LIMITED**, 13 Board of Trade Building, Calgary, Alberta.

Mark Twain once said: "When I was a boy of 14, my father was so ignorant I could hardly stand to have the old man around. But when I got to be 21, I was astonished at how much the old man had learned in seven years."

She talked in the morning, she talked late at night.  
She chatted while driving straight through a red light;  
She made quite a hit with a truck driving past,  
And she learned the hard way, to drive first and talk last.

Knowing that the minister was very fond of cherry brandy, one of the church elders offered to present him with a bottle on one consideration—that the pastor acknowledge receipt of the gift in the church paper.

"Gladly," responded the good man.

When the church magazine came out a few days later, the elder turned at once to the "appreciation" column. There he read:

"The minister extends his thanks to Elder Brown for his gift of fruit and the spirit in which it was given."

## JERSEY HERD SOLD

The entire herd of the Crescent View Jersey Farm, Calgary, Walter Hughes owner, was disposed of October 29, when 85 well-bred Jerseys were auctioned by Henry Gilchrist. Prominent buyers were Fred Yeabsley, Colpitts Bros., of Model Dairies, and T. Farrell, of Burns Ranches, all of Calgary, and J. A. E. Brown, of Balzac. Cows, three years and over, 42 head, averaged \$121, the two top ones at \$260 and \$230 selling to Mr. Yeabsley; 10 two-year-old heifers averaged \$122; 16 yearling heifers, \$76; and 15 heifer calves, \$46. The six-year-old senior herd sire, imported Whitehills Design Volunteer, sold to Mr. Brown for \$540, and the four-year-old junior herd sire, Lindell Galinthia's Royal Pride, to Mr. Yeabsley for \$550.

Recently P. J. Rock & Son, Drumheller, shipped 25 Hampshire sheep to the State College of Agriculture at Fargo, North Dakota. Montana breeders had previously bought 35 Suffolks from the Rock farm, and a number of smaller Hampshire and Suffolk shipments had gone to California and Minnesota. Suffolk rams and ewes from C. H. Borwick, Harry Mueller, and Peter Jamieson, all of Drumheller, also went to California in mid-October.

"Some plants," said the teacher, "have the prefix dog. For instance, there is the dogrose, the dogwood, the dogviolet. Now who can name another plant prefixed by dog?"

"I can," shouted a little redhead from the back row. "Colliflower."

Help to Move  
Feeder Stock

**FREIGHT** assistance will be given during the remainder of 1945 by the Dominion Department of Agriculture to encourage the movement of feeder lambs and feeder cattle from dried-out areas in Alberta and Saskatchewan.

To avoid congestion in stockyards, and with a view to discouraging the slaughter of unfinished livestock, the assistance will apply only on shipments purchased at and billed from country points in the prescribed area to country points in other parts of the Dominion where feed is available.

A refund of 50 per cent of the actual freight charges will be allowed on carload shipments billed from any country point in that part of Alberta and Saskatchewan lying to the west of the C.P.R. lines—North Portal to Moose Jaw, Moose Jaw to Regina; Regina to Warman and south of the C.N.R. line—Warman to Jasper.

The concession will apply on feeder lambs born in 1945 billed to any country point east of the Alberta-British Columbia boundary, and on feeder steers born after January 1, 1943, billed to any country point east of the province of Manitoba.

Customer: "I want to get a tape measure."

Clerk: "Want a steel one?"

Customer: "What do you mean? Do I look like a thief?"

WIN A RANCH!  
\$15,000

**RANCH. 1946 LINCOLN ZEPHYR SEDAN. An ALL-EXPENSE TRIP TO EUROPE or \$1,000.00. 97 other prizes, in all totalling \$25,000.00 or the equivalent in Victory Bonds. Mail this "ad." with ONE DOLLAR subscription to "The Kimberley and District Memorial Society", Box 430, Kimberley, British Columbia.**

Proceeds to be used to erect a Legion Memorial Hall and Recreation Facilities for our returning Veterans and the citizens of this district. Date of drawing to be announced in the press. Don't delay! Act now!

— AGENTS WANTED —

SIGN YOUR  
NAME TO VICTORY

## RAT-NIP



**DESTROYS  
Rats Quickly  
Easily...Surely**

Nothing so successful in killing rats has ever been known. Rats are attracted to it... die in droves! 30 years of success. At drug, hardware and general stores. Ask for RAT-NIP.

**LIQUID VENEER CORP.,**  
Ft. Erie North, Ont.  
35c a tube

**ONLY 2 WEEKS TO GO  
Hurry — Get Your Tickets  
\$10,000.00 NOW**



**In Cash or Victory Bonds  
To Be Given Away FREE**



**TICKETS  
50c EACH  
OR 3 FOR \$1.00**

**1st. PRIZE - - - \$7,500  
2nd. PRIZE - - - \$1,000  
3rd. PRIZE - - - \$500  
and 10 Prizes of \$100 Each.**

**TICKET SALE CLOSING NOV. 17th  
PRIZES WILL BE AWARDED NOV. 24th**

Entire net proceeds in aid of building a Memorial Hall by Canadian Legion, B.E.S.L., Strathcona Branch, No. 150, South Edmonton.

To CANADIAN LEGION B.E.S.L.  
P.O. Box 5204,  
South Edmonton, Alberta.

Please send me ..... Tickets on the Canadian Legion POT O' GOLD,

for which I enclose \$.....

NAME .....

ADDRESS .....

**AGENTS WANTED**—Ticket sellers wanted—liberal commissions. Write P.O. Box 5204, South Edmonton, Alta.

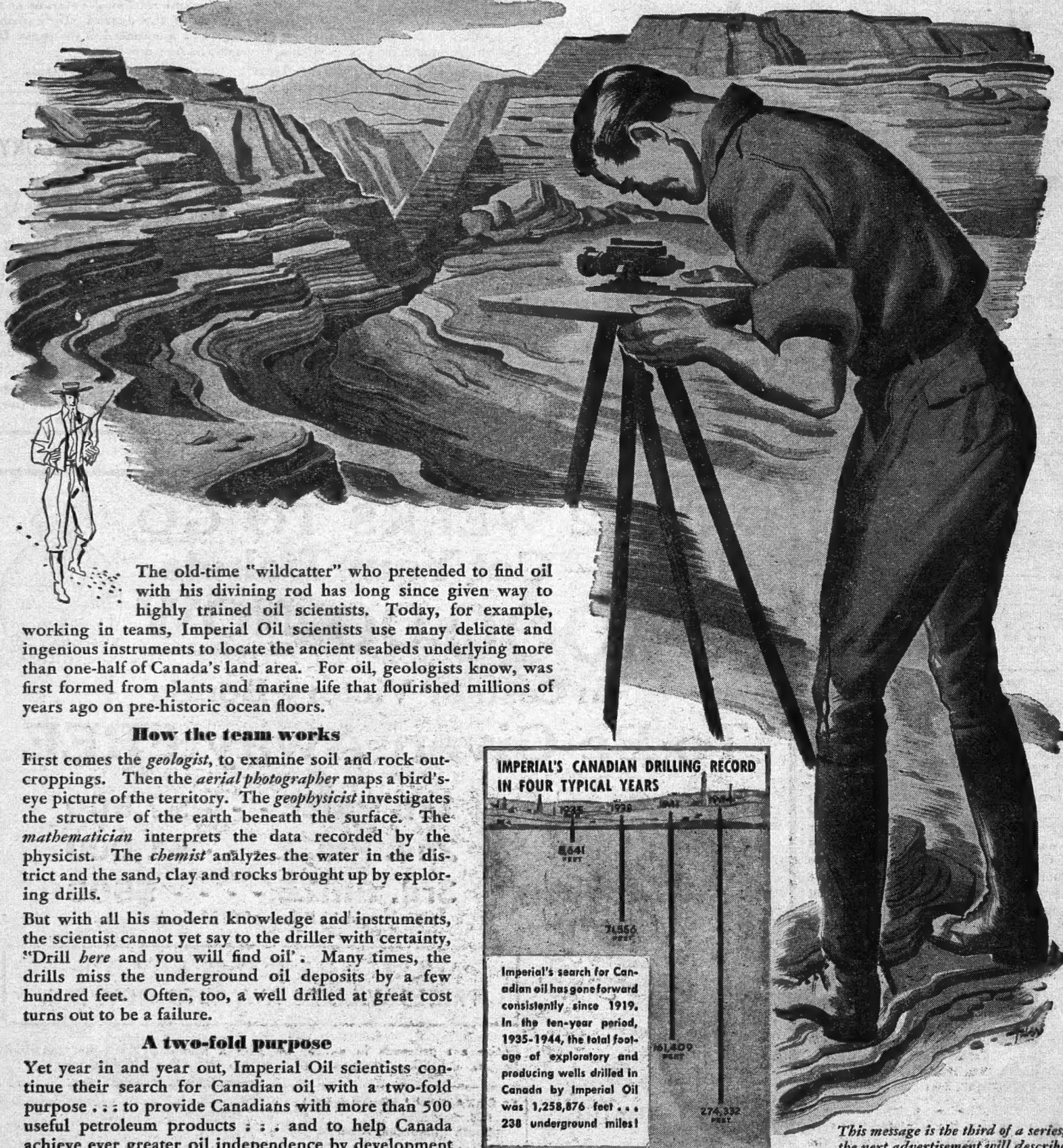
**\$500 IN CASH PRIZES TO SELLERS OF  
THE WINNING TICKETS**



INTERESTING FACTS ABOUT OIL

# Searching Ancient Seabeds

## FOR THE OIL YOU USE TODAY



The old-time "wildcatter" who pretended to find oil with his divining rod has long since given way to highly trained oil scientists. Today, for example, working in teams, Imperial Oil scientists use many delicate and ingenious instruments to locate the ancient seabeds underlying more than one-half of Canada's land area. For oil, geologists know, was first formed from plants and marine life that flourished millions of years ago on pre-historic ocean floors.

### How the team works

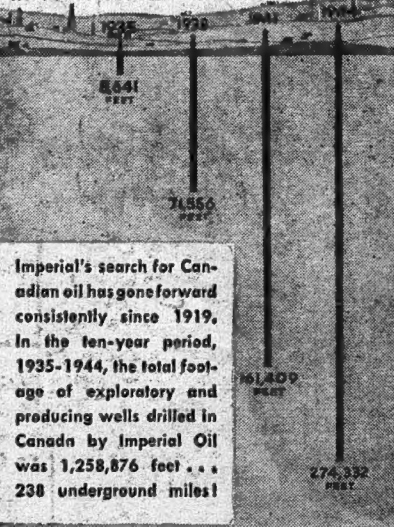
First comes the *geologist*, to examine soil and rock outcroppings. Then the *aerial photographer* maps a bird's-eye picture of the territory. The *geophysicist* investigates the structure of the earth beneath the surface. The *mathematician* interprets the data recorded by the physicist. The *chemist* analyzes the water in the district and the sand, clay and rocks brought up by exploring drills.

But with all his modern knowledge and instruments, the scientist cannot yet say to the driller with certainty, "Drill *here* and you will find oil". Many times, the drills miss the underground oil deposits by a few hundred feet. Often, too, a well drilled at great cost turns out to be a failure.

### A two-fold purpose

Yet year in and year out, Imperial Oil scientists continue their search for Canadian oil with a two-fold purpose . . . to provide Canadians with more than 500 useful petroleum products . . . and to help Canada achieve ever greater oil independence by development of her own petroleum resources.

### IMPERIAL'S CANADIAN DRILLING RECORD IN FOUR TYPICAL YEARS



This message is the third of a series; the next advertisement will describe "How an Oil Well Works."

# IMPERIAL OIL



# LIMITED